x=(1.23*(-1*(x1*(3.57))*(0.0781)))+(2.71*(1/x1))

for ensemble

Roy Guzmán
(2021)

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Performance Notes of

x=(1.23*(-1*(x1*(3.57))*(0.0781)))+(2.71*(1/x1))

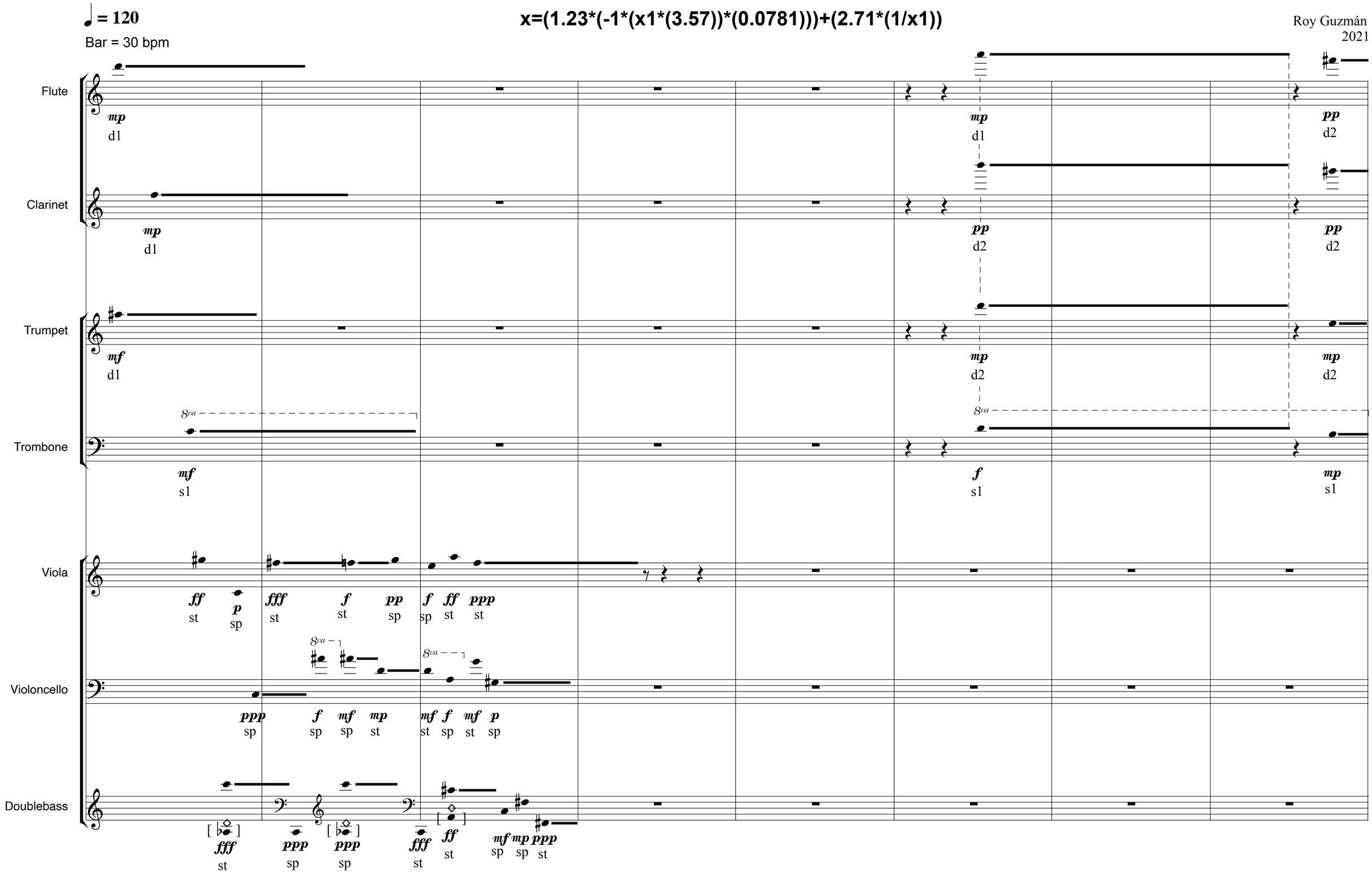
translated to English

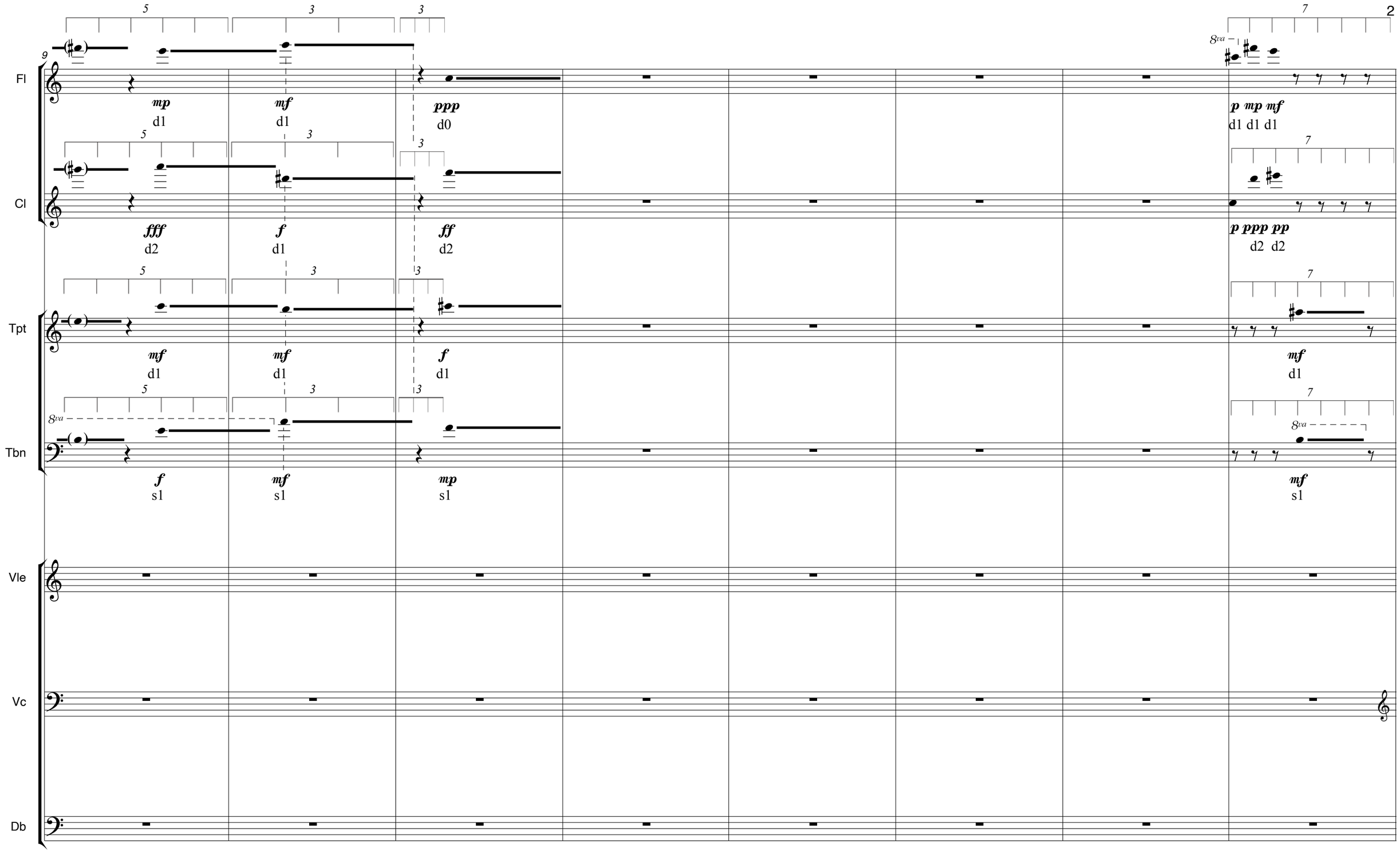
- The strings should be played with pressure techniques in position of false harmonics. The pressure or distance of the fourth finger oscillates from [0] to [7]. [0] being pressing the fourth string in the position of false harmonic creating a note a minor third or a fourth in finger positioning from the written note making a microtonal bend in that false harmonic position. [4] is normal false harmonic position in the traditional sense and [7] would the finger slightly 3 mm above the false fingering position. Is suggested to play with the nail of the fourth finger and any range of the false fingering positioning is available from a third above the first finger base note to a fourth above the first finger base note producing noises, false harmonics, damped notes and noises as well as multiphonics specially in pressure [5],[6] and [7]. Any pressure is possible for each and every note of every string instruments. This choosing is aleatoric. This means all pressures should be at the same percentage of existence, or same probability.

- The marks d0, d1 and d2 in the flute, clarinet and trumpet indicates the amount of fingers that will be played erroneously in the fingering of each note. This means that if the flute's note has a d1 only one finger will be played erroneously, meaning, slightly pressured, not pressured at all, half of the hole covered producing a microtone. This technique will create different notes than written, microtones, noises, multiphonics or unstable notes. This is the same for the clarinet. For the trumpet it will create mainly microtones.

- For the trombone there is S0, S1 and S2. For example a trombone note with S1 symbol means that the slide of the trombone will be slightly untuned or detuned regarding a slight deviation of the slide from its normal traditional note position. S2 means that that note will be more detuned than the S1. I like to call them units that produce more detuning or less detuning.

- There are drastic dynamic markings for every single note. They are abrupt and very difficult to play. Play them as well as possible and don't be intimidated. An approximation of them can do the job.


♩ = 120
Bar = 30 bpm
x=(1.23*(-1*(x1*(3.57))*(0.0781)))+(2.71*(1/x1))
Roy Guzmán
2021
Flute
Clarinet
Trumpet
Trombone
Viola
Violoncello
Doublebass
8va
8va
8va
8va


9
Fl
mp
d1
mf
d1
ppp
d0
p mp mf
d1 d1 d1
Cl
fff
d2
f
d1
ff
d2
p ppp pp
d2 d2
Tpt
mf
d1
mf
d1
f
d1
mf
d1
Tbn
8va
f
s1
mf
s1
mp
s1
mf
s1
Vle
Vc
Db

17

Fl

mf d1 | *mp* *mf* *f* *mf* d1 d1 d1 d1 | *mp* d1 | *mf* d1

Cl

mf d1 | *ff* *mp* *ff* *mp* d2 d2 d2 d2 | *mf* d1

Tpt

ppp *ff* d2 | *mp* d2 | *mp* *mf* d1 d1 | *mf* d1 | *mf* *mf* d2 d2

Tbn

f *mf* s1 s2 | *mp* s2 | *mf* *p* | *mf* *mf* s1 s2

Vle

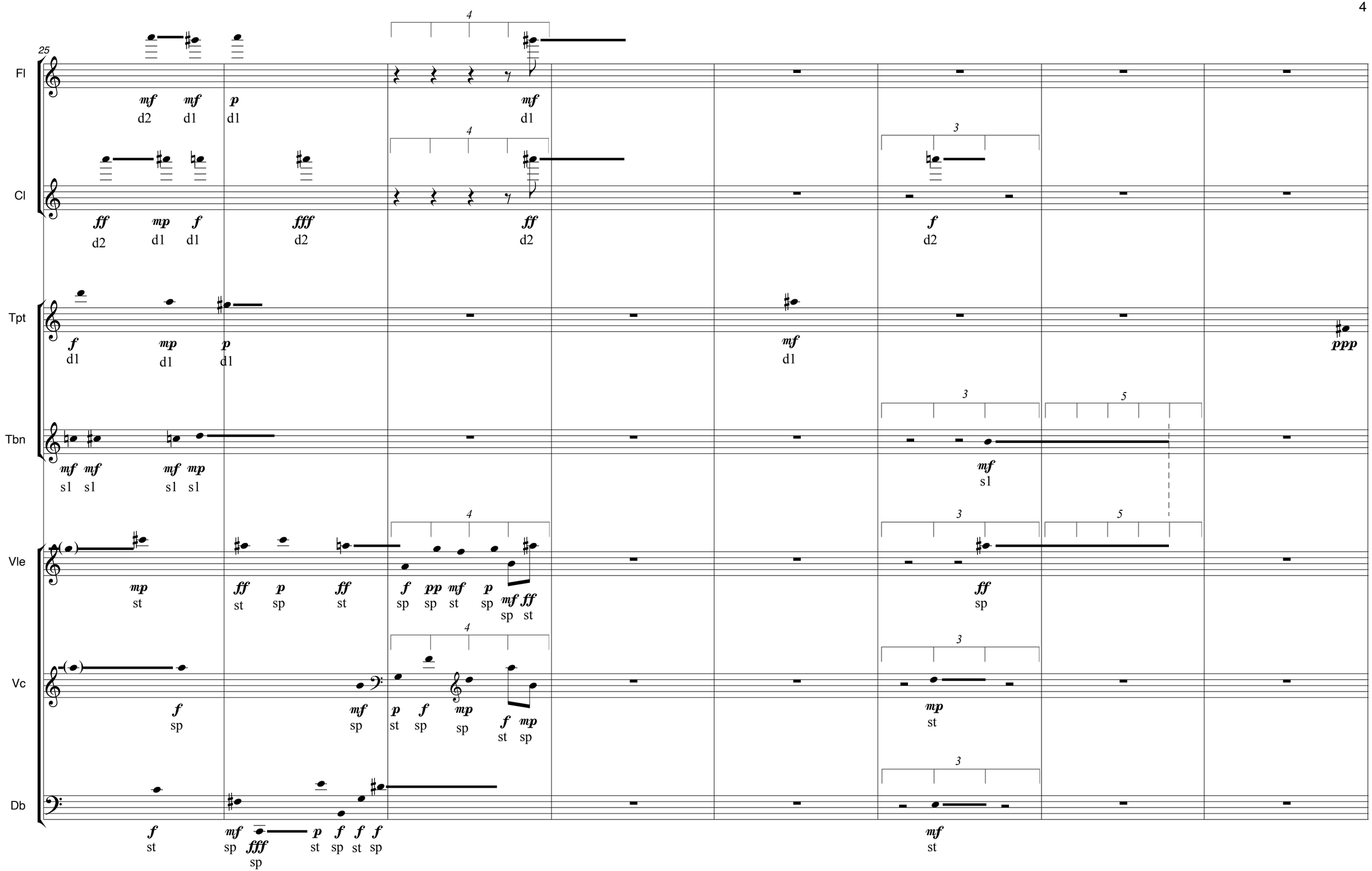
f *f* *f* *f* *f* st st sp st sp | *mf* sp

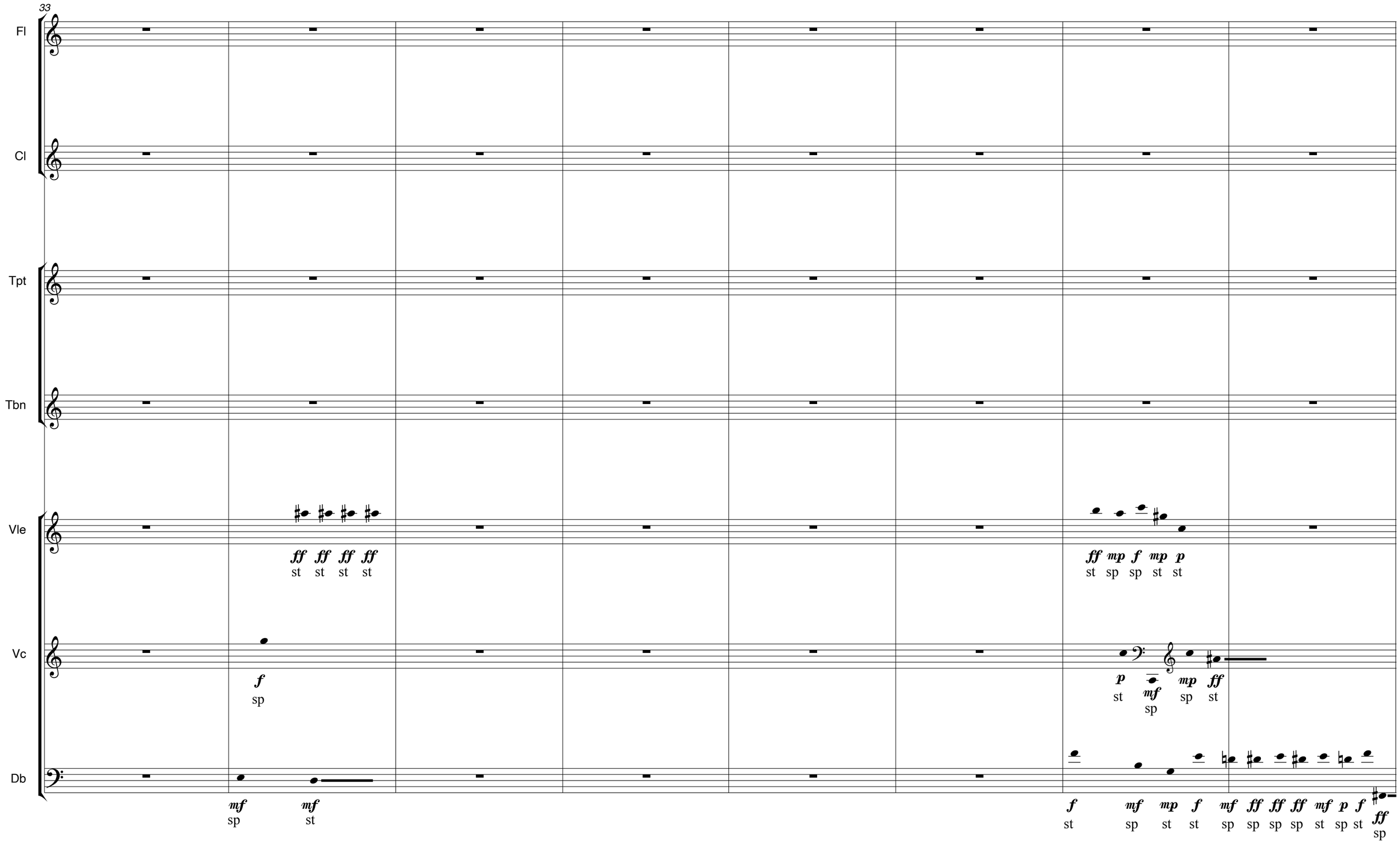
Vc

f *mf* *f* *mf* *ff* sp st sp sp sp | *ppp* sp | *f* sp

Db

mp *mf* *mf* *mf* *f* sp st st sp sp


25
Fl
mf d2 mf d1 p d1 mf d1
Cl
ff d2 mp d1 f d1 fff d2 ff d2 f d2
Tpt
f d1 mp d1 p d1 mf d1 ppp
Tbn
mf s1 mf s1 mf s1 mp s1 mf s1
Vle
mp st ff st p sp ff st f sp pp sp mf st p sp mf sp ff st ff sp
Vc
f sp mf sp p st f sp mp sp f st mp sp mp st
Db
f st mf sp fff sp p st f sp f st f sp mf st


33
Fl
Cl
Tpt
Tbn
Vle
ff ff ff ff
st st st st
ff mp f mp p
st sp sp st st
Vc
f
sp
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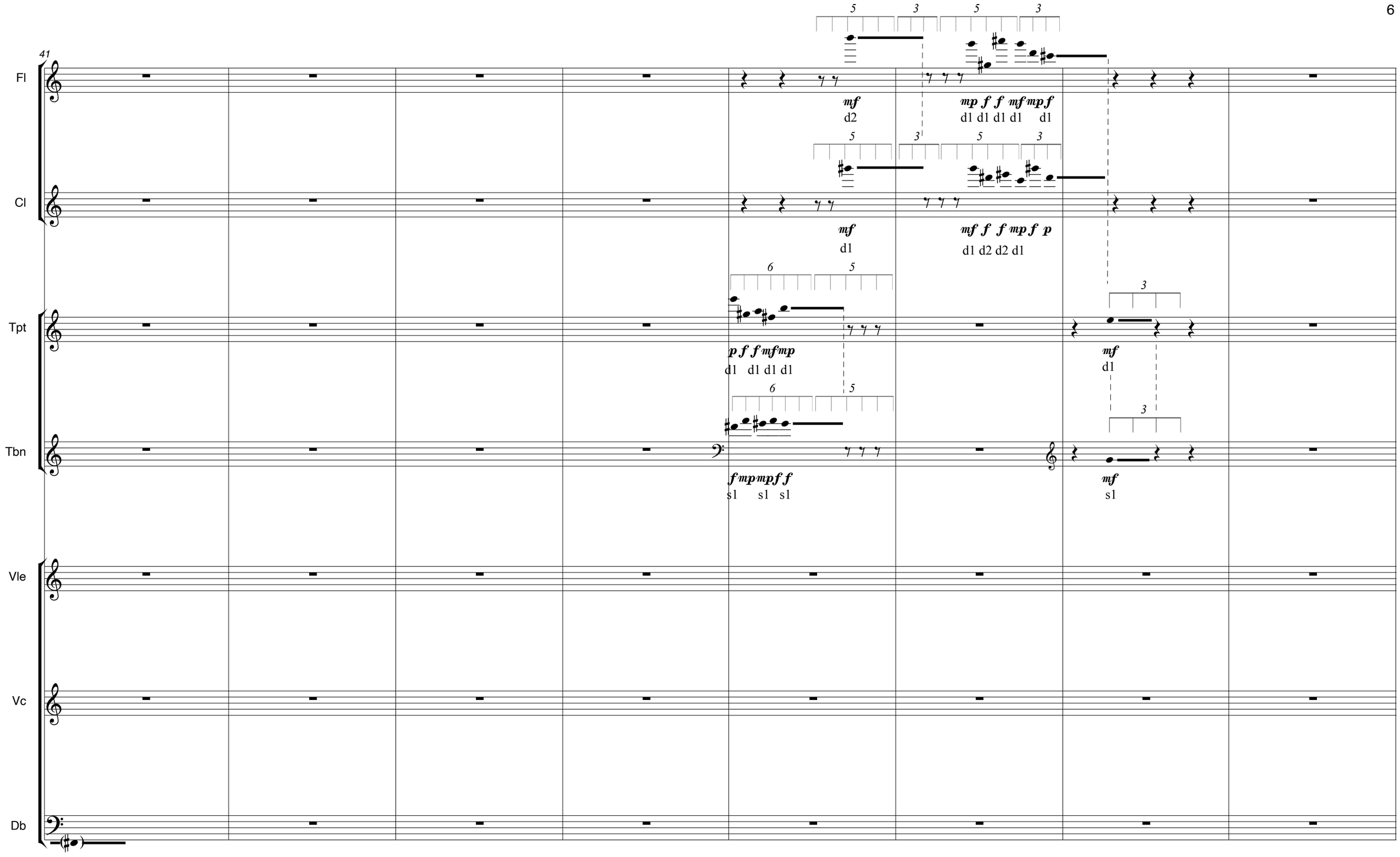
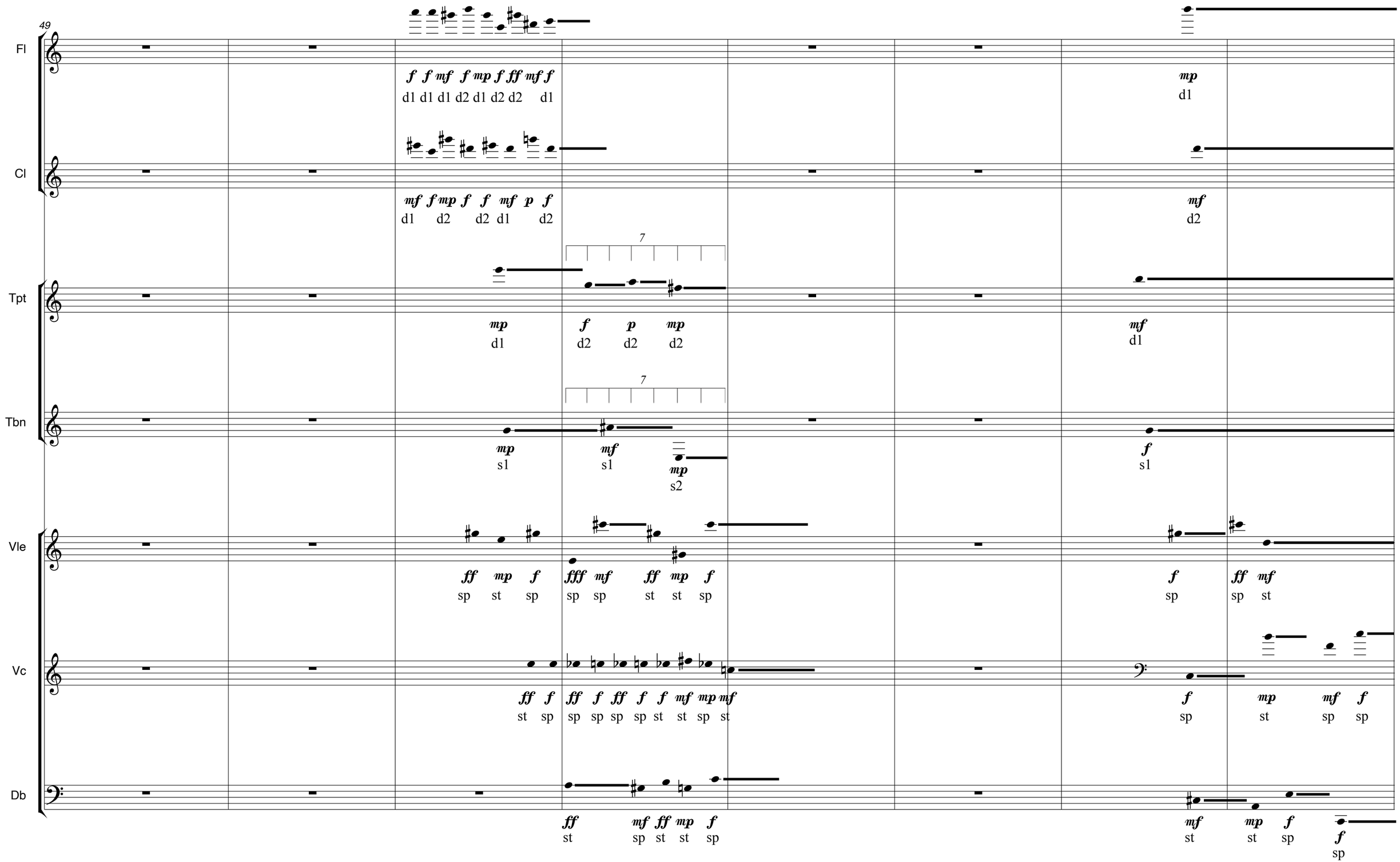
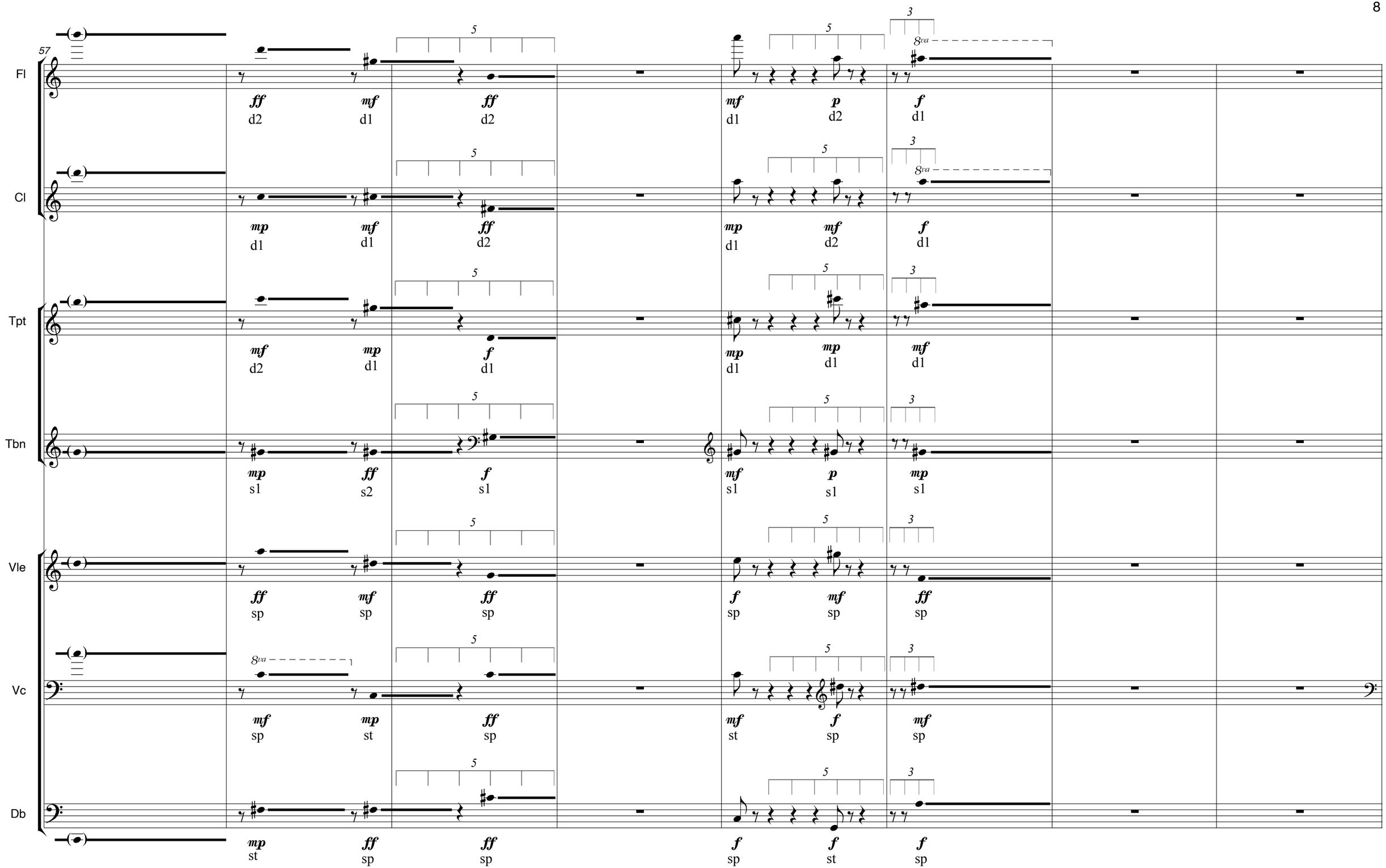
st sp st st sp sp sp sp st sp st sp


41
Fl
mf
d2
mp f f mf mp f
d1 d1 d1 d1 d1
Cl
mf
d1
mf f f mp f p
d1 d2 d2 d1
Tpt
p f f mf mp
d1 d1 d1 d1
mf
d1
Tbn
f mp mp f f
s1 s1 s1
mf
s1
Vle
Vc
Db


49
Fl
f f mf f mp f ff mf f
d1 d1 d1 d2 d1 d2 d2 d1
mp
d1
Cl
mf f mp f f mf p f
d1 d2 d2 d1 d2
mf
d2
7
Tpt
mp
d1
f p mp
d2 d2 d2
mf
d1
7
Tbn
mp mf mp
s1 s1 s2
f
s1
Vle
ff mp f fff mf ff mp f
sp st sp sp sp st st sp
f ff mf
sp sp st
Vc
ff f ff f ff f f mf mp mf
st sp sp sp sp sp st st sp st
f mp mf f
sp st sp sp
Db
ff mf ff mp f
st sp st st sp
mf mp f f
st st sp sp


57
Fl
ff d2
mf d1
ff d2
mf d1
p d2
f d1
Cl
mp d1
mf d1
ff d2
mp d1
mf d2
f d1
Tpt
mf d2
mp d1
f d1
mp d1
mp d1
mf d1
Tbn
mp s1
ff s2
f s1
mf s1
p s1
mp s1
Vle
ff sp
mf sp
ff sp
f sp
mf sp
ff sp
Vc
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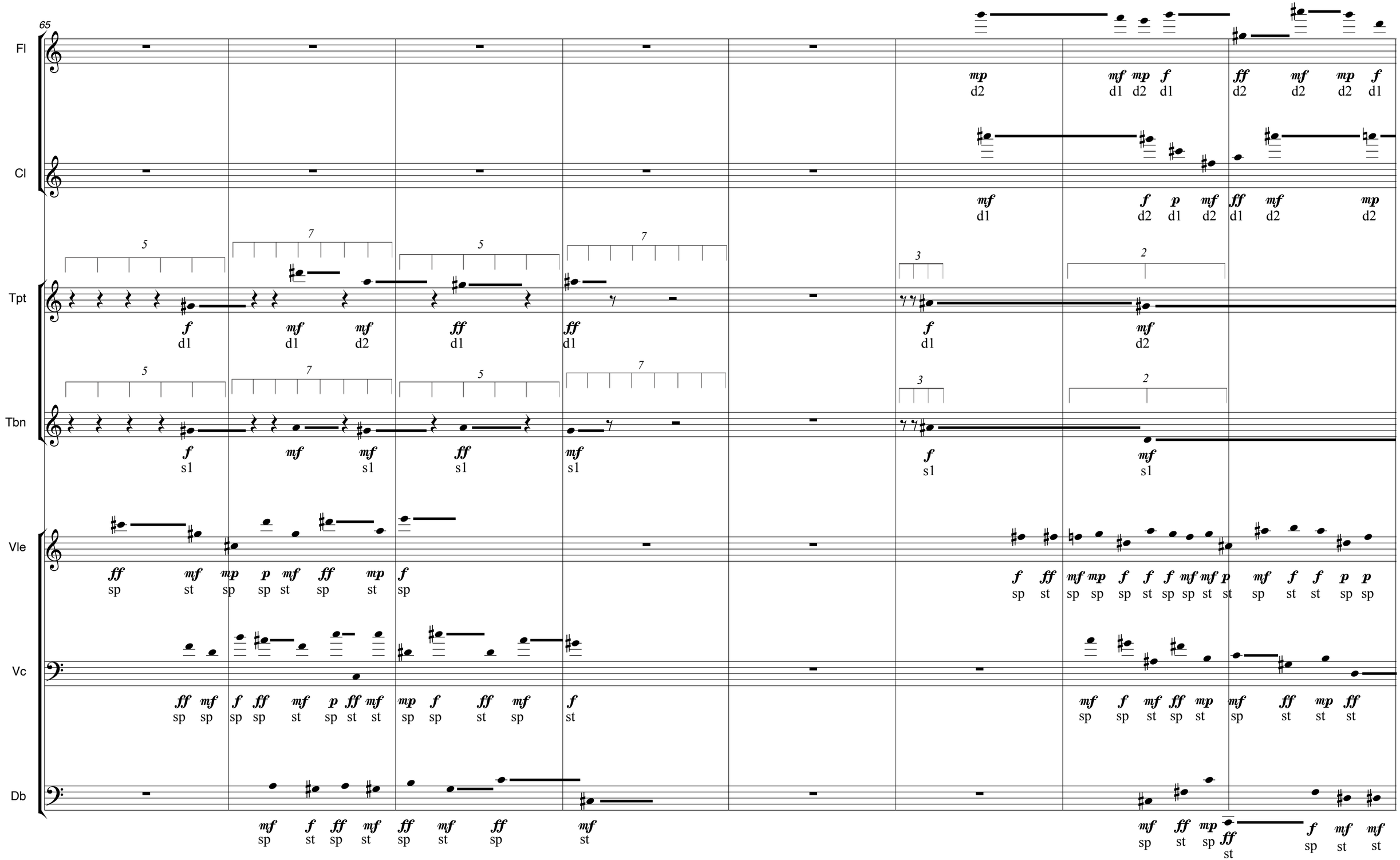
f sp
8va
5
3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Fl
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Vc
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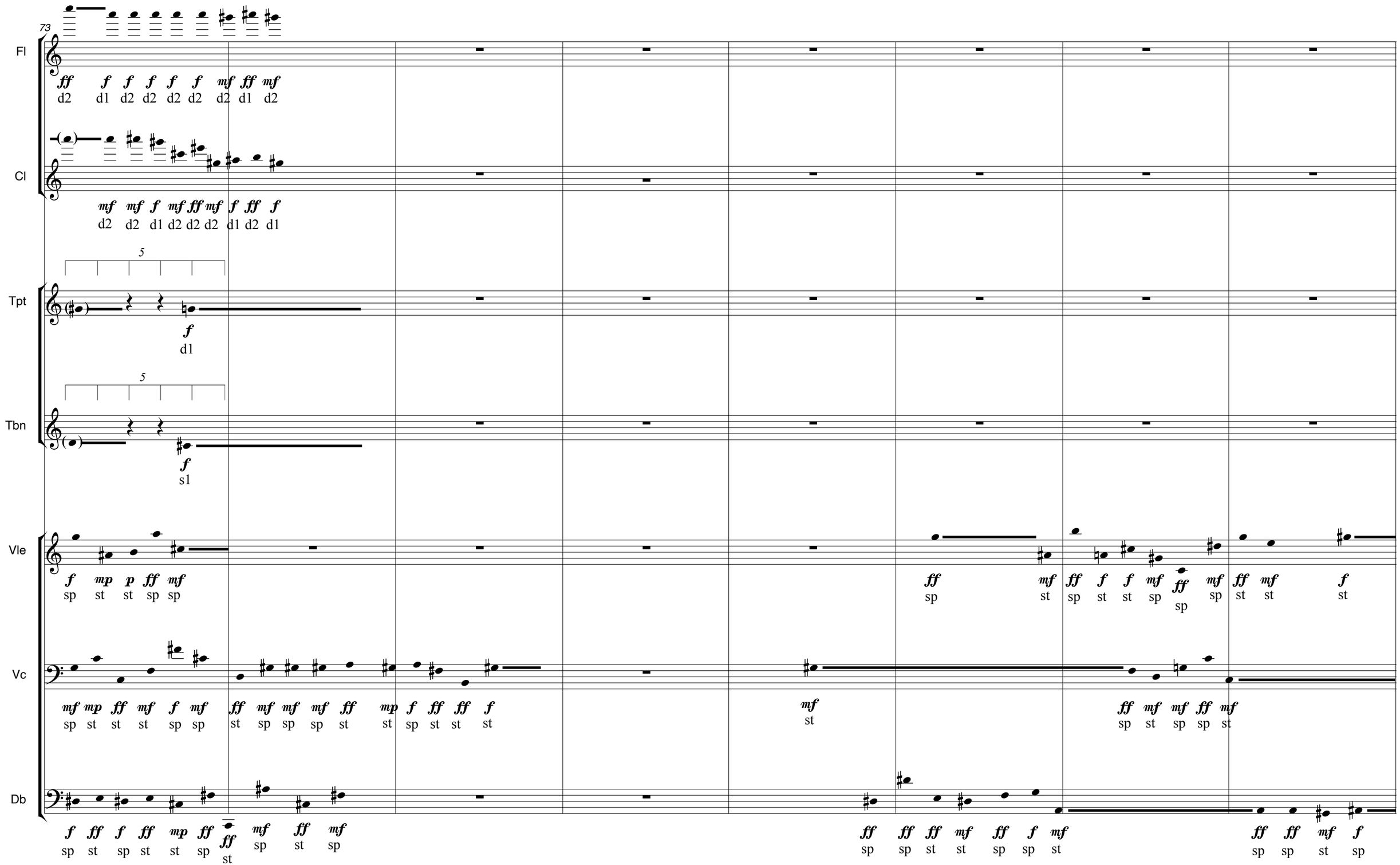
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Fl
Cl
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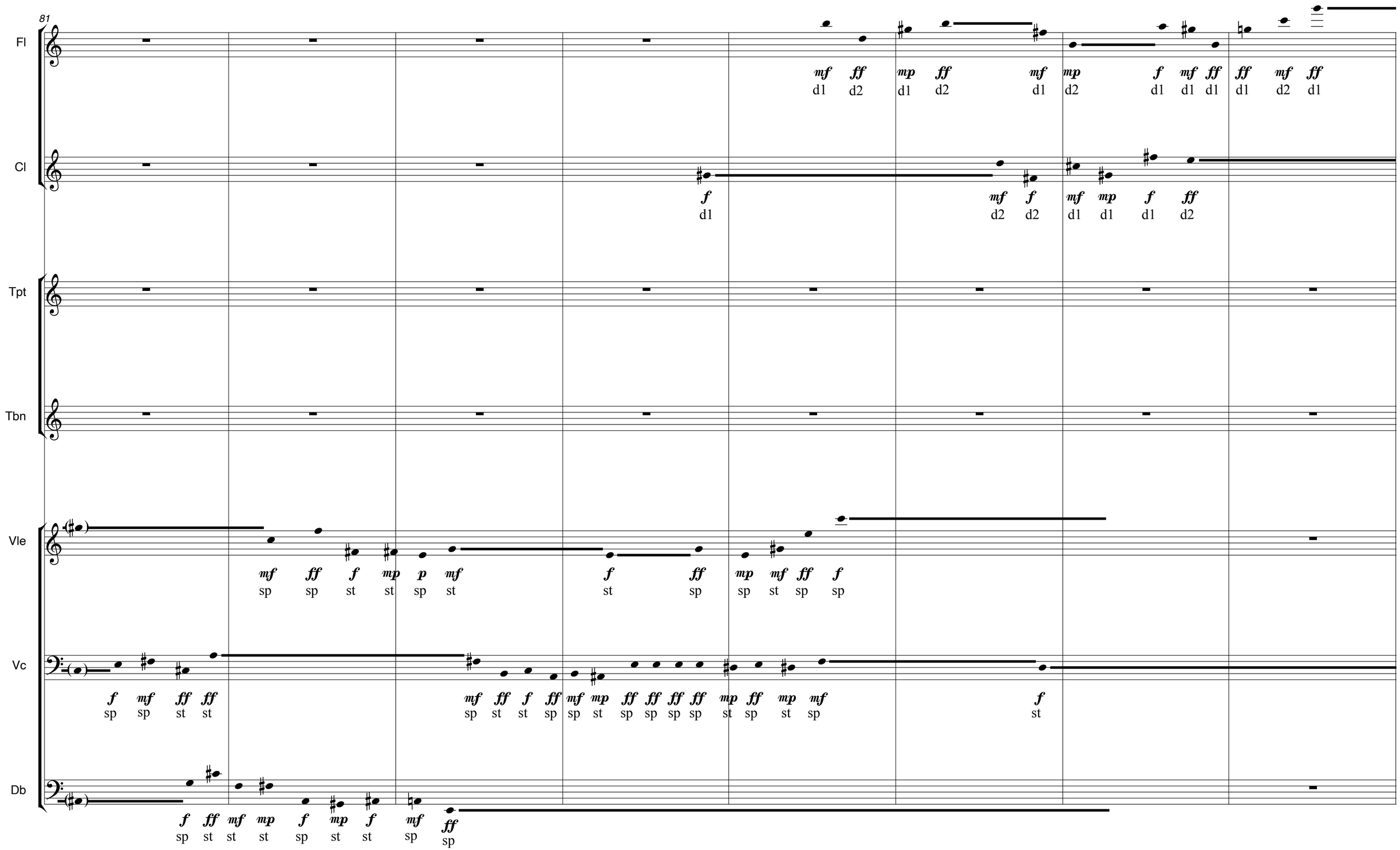
Tbn
Vle
Vc
Db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Tbn
Vle
Vc
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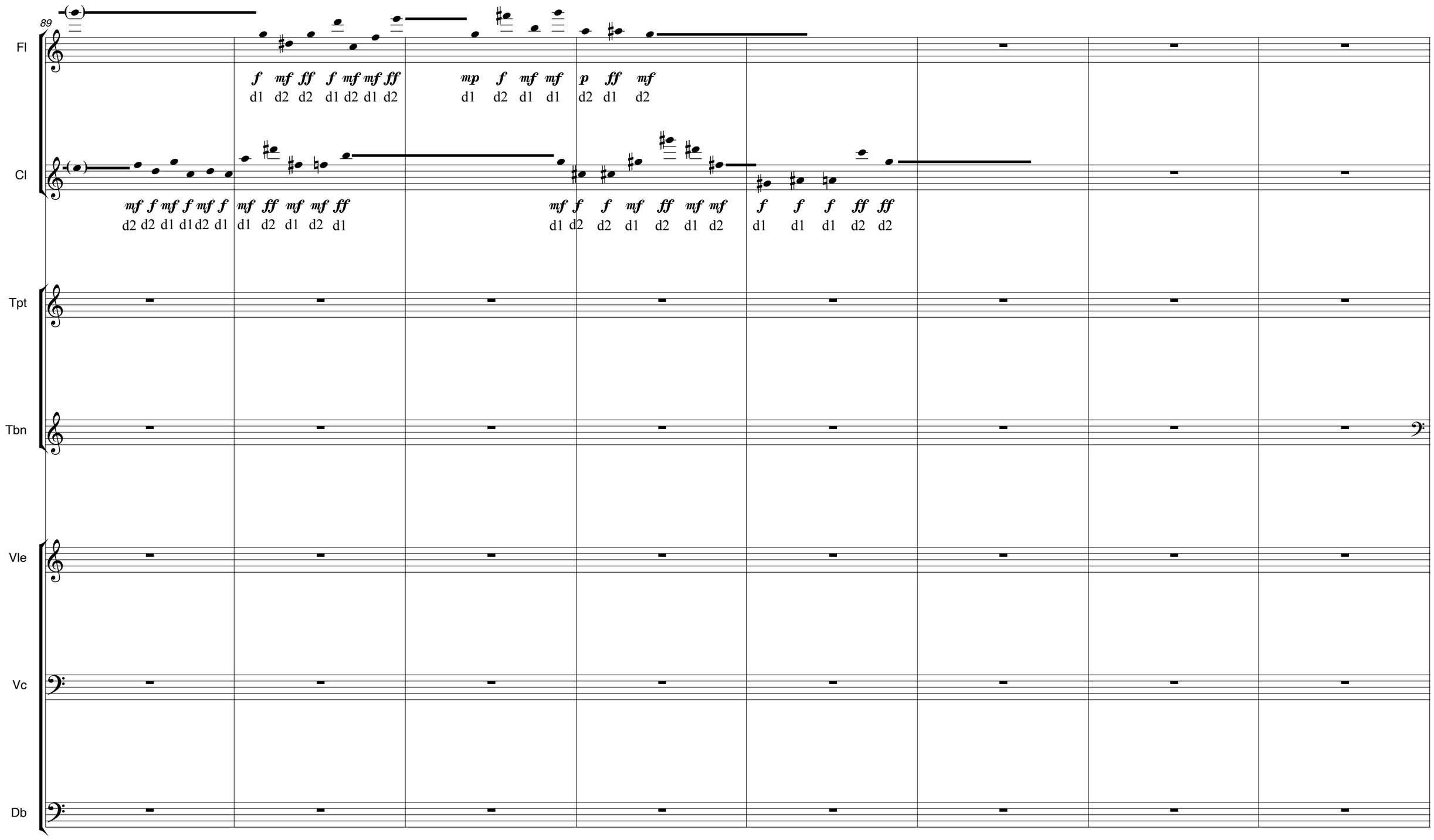
89
Fl
f mf ff f mf mf ff
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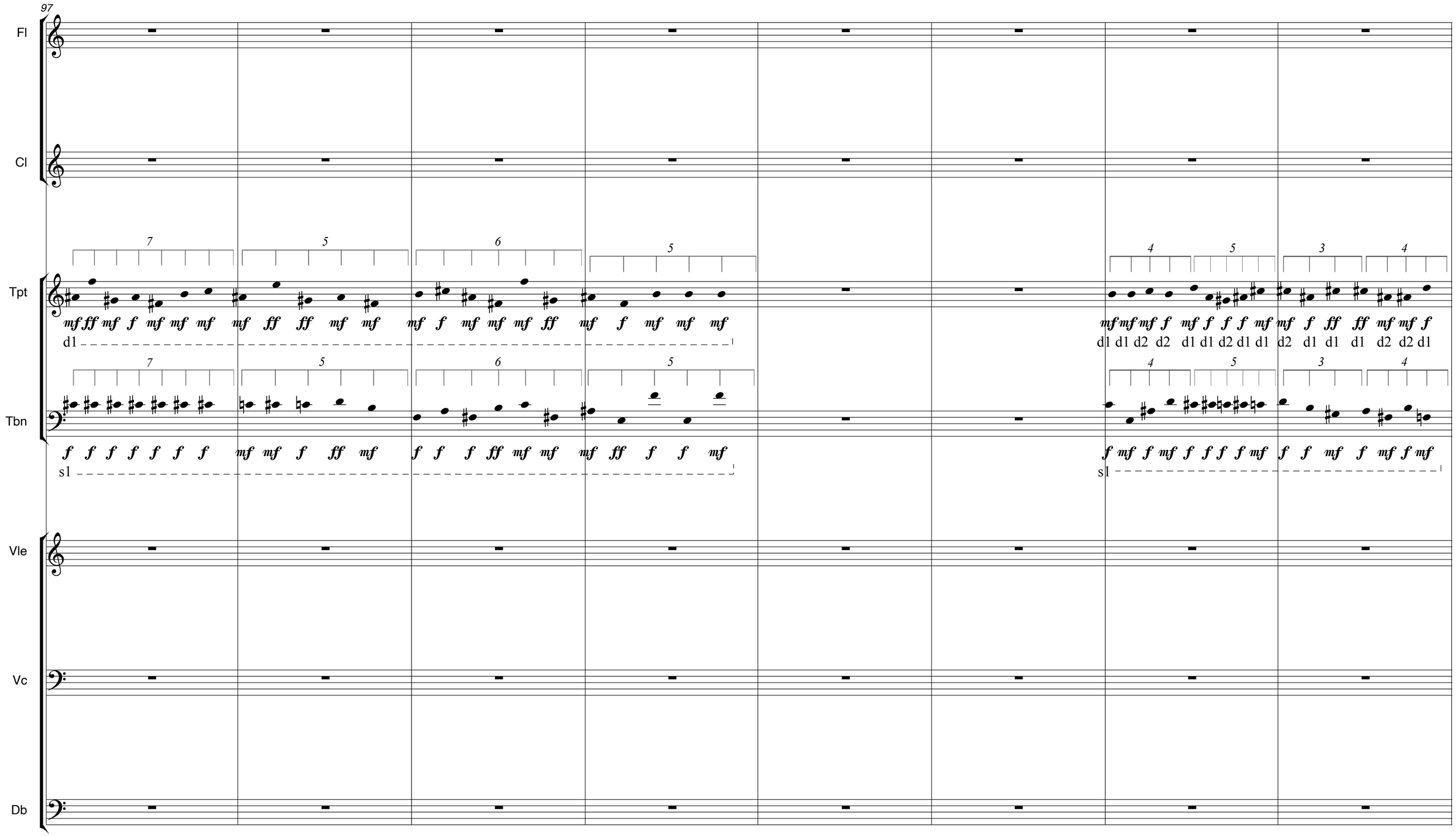
mp f mf mf p ff mf
d1 d2 d1 d1 d2 d1 d2
Cl
mf f mf f mf f mf ff mf mf ff
d2 d2 d1 d1 d2 d1 d1 d2 d1 d2 d1
mf f f mf ff mf mf f f f ff ff
d1 d2 d2 d1 d2 d1 d2 d1 d1 d1 d2 d2
Tpt
Tbn
Vle
Vc
Db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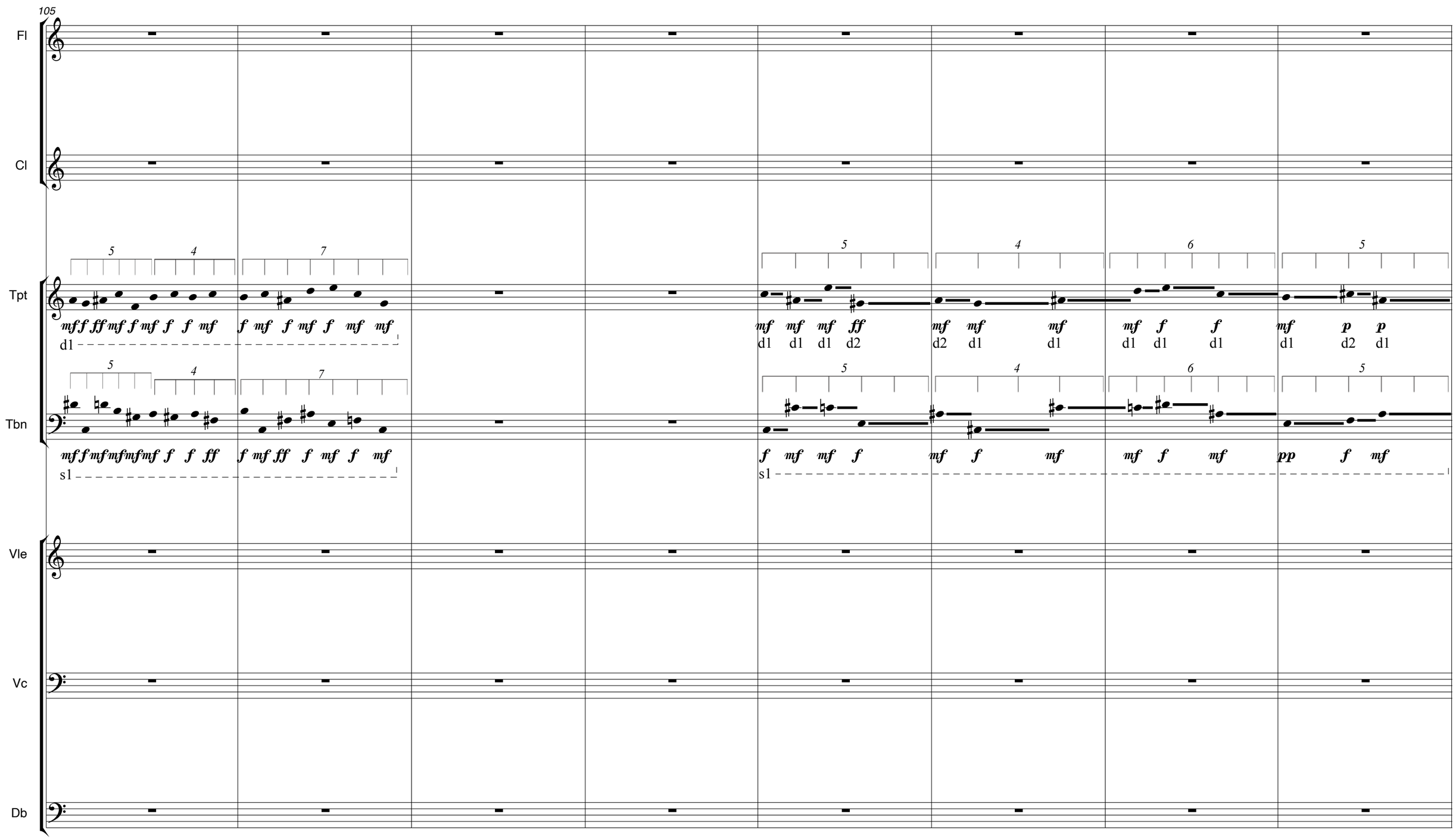
Fl
Cl
Tpt
d1
Tbn
s1
Vle
Vc
Db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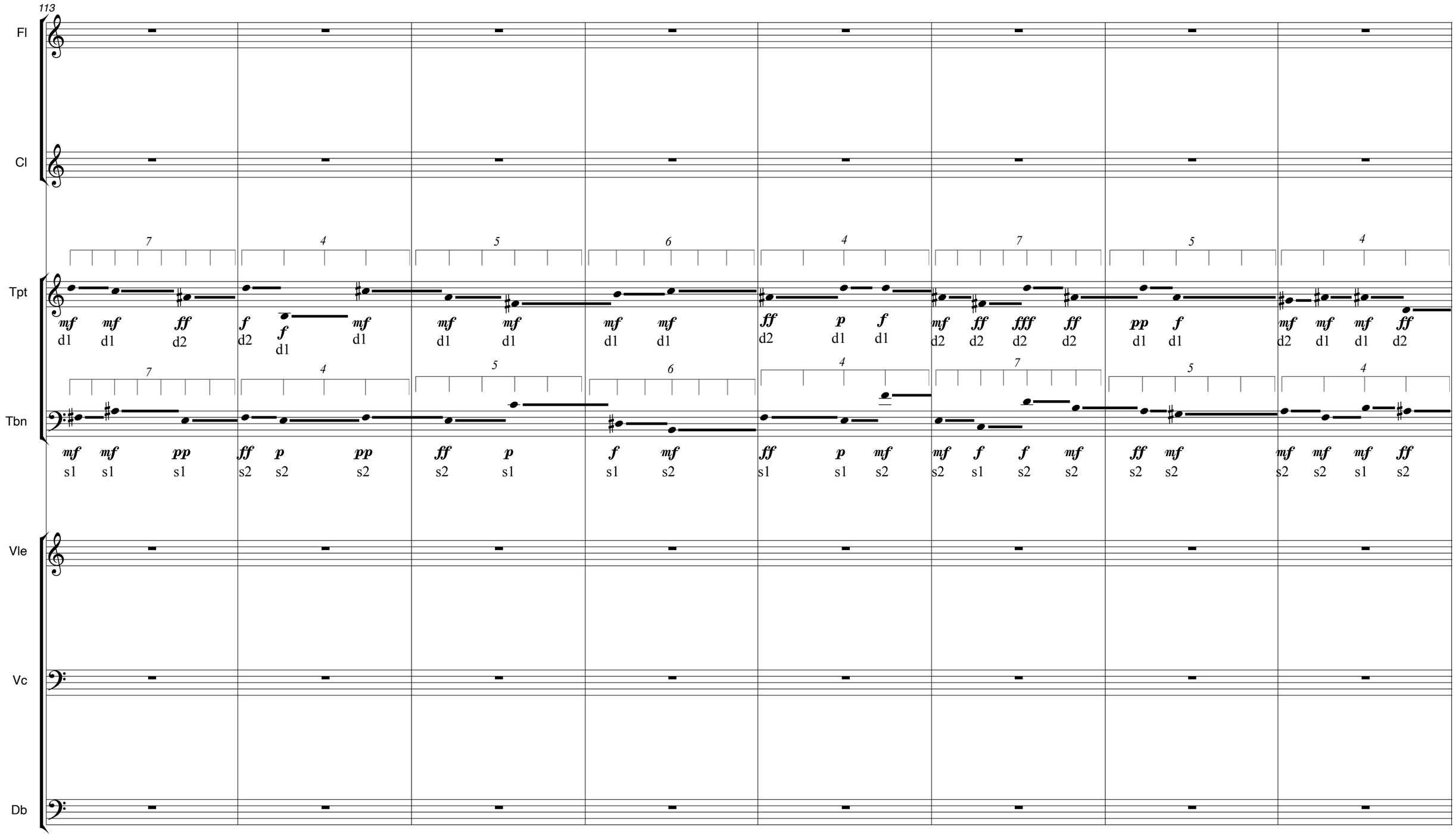
Db
d1
s1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Tpt
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Vle
Vc
Db
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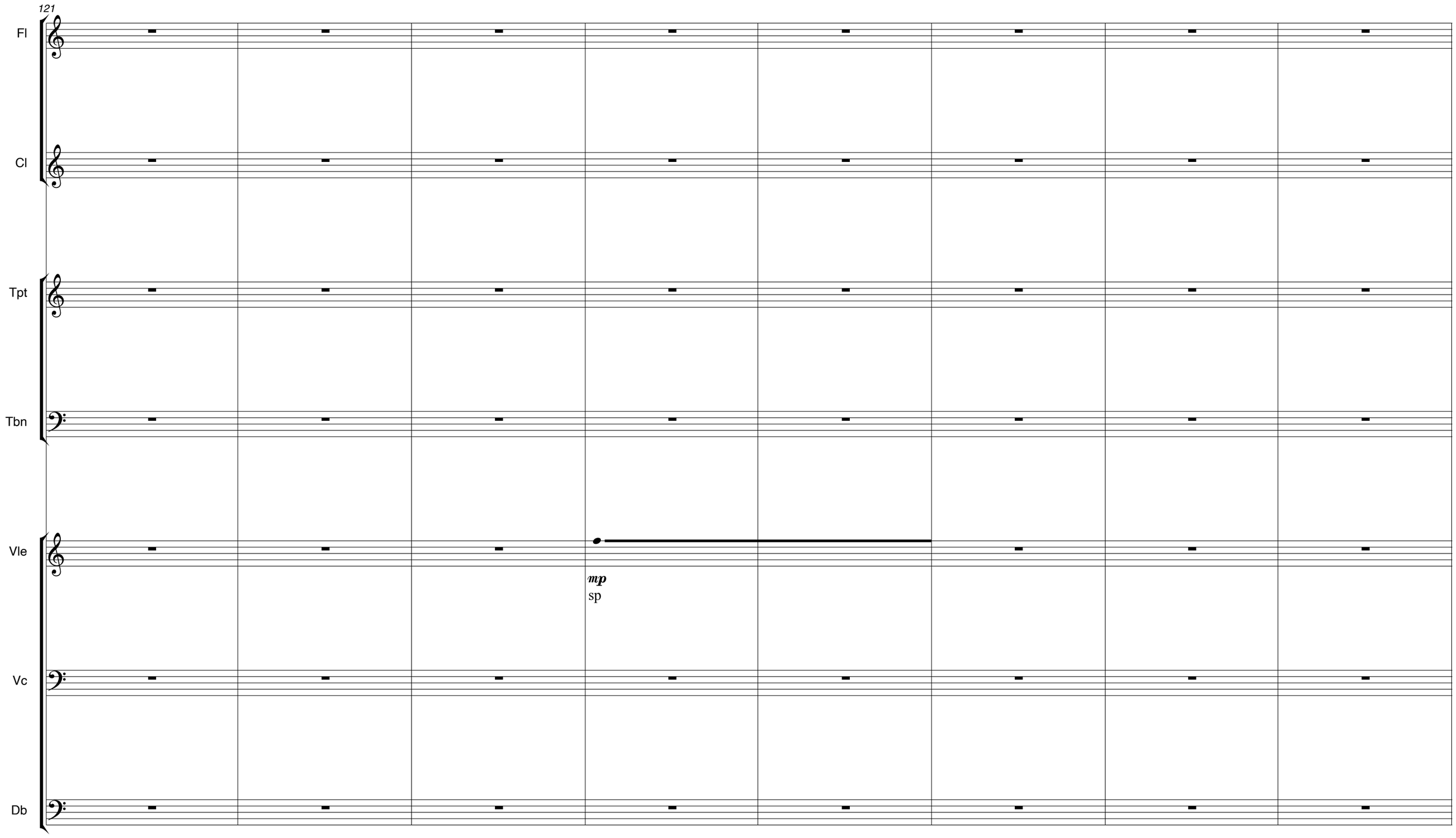
d1 d1 d2 d2 d1 d1 d1 d1 d1 d1 d2 d1 d1 d2 d2 d2 d2 d1 d1 d2 d1 d1 d2
7 4 5 6 4 7 5 4
mf mf pp ff p pp ff p f mf ff p mf mf f f mf ff mf mf mf mf ff
s1 s1 s1 s2 s2 s2 s2 s1 s1 s2 s1 s1 s2 s2 s1 s2 s2 s2 s2 s2 s2 s1 s2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Cl
Tpt
Tbn
Vle
mp
sp
Vc
Db

129
Fl
5
mf
d1
Cl
ff
d2
Tpt
Tbn
5
mf
s1
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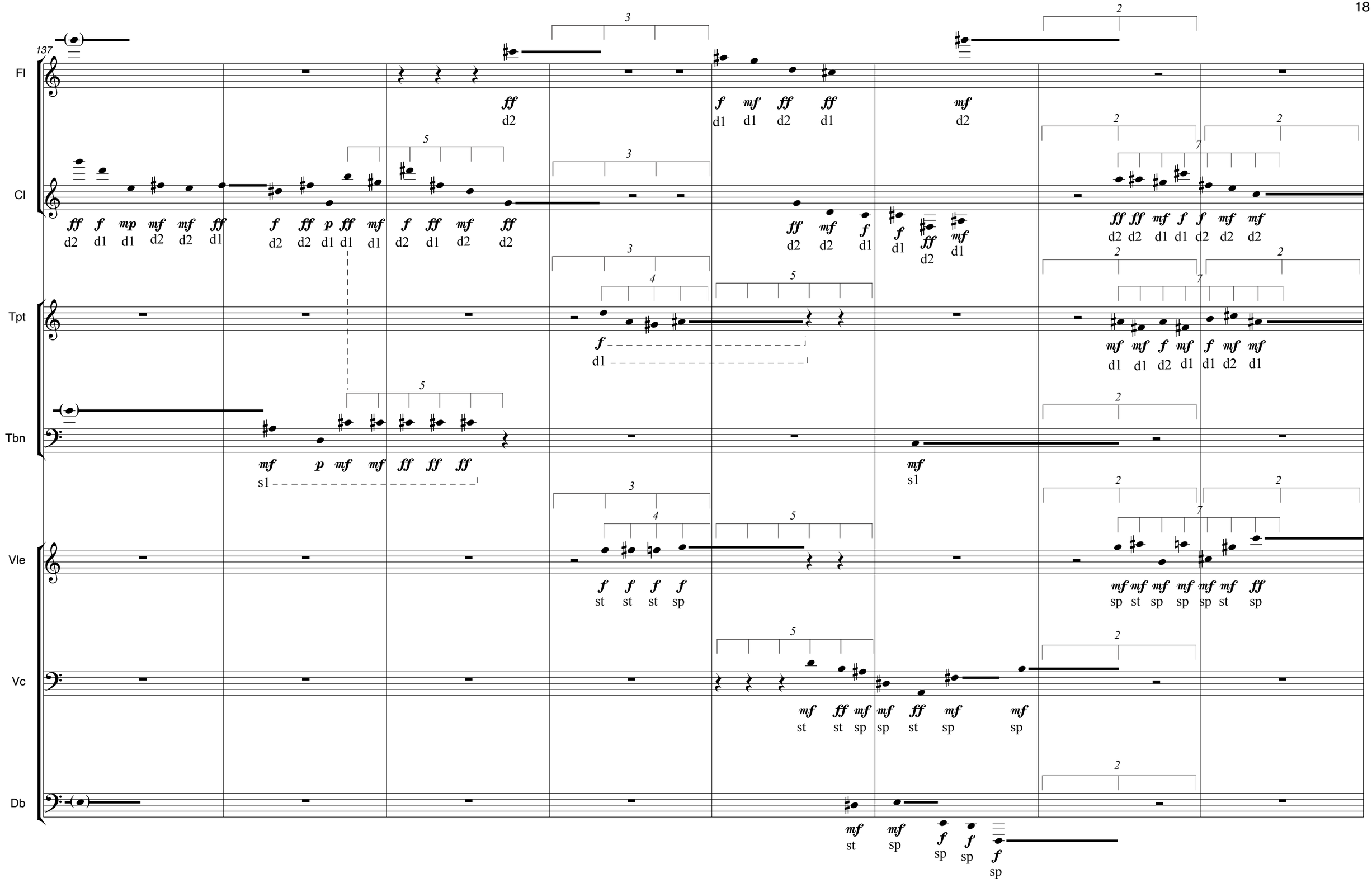
Vc
Db
5
mf
sp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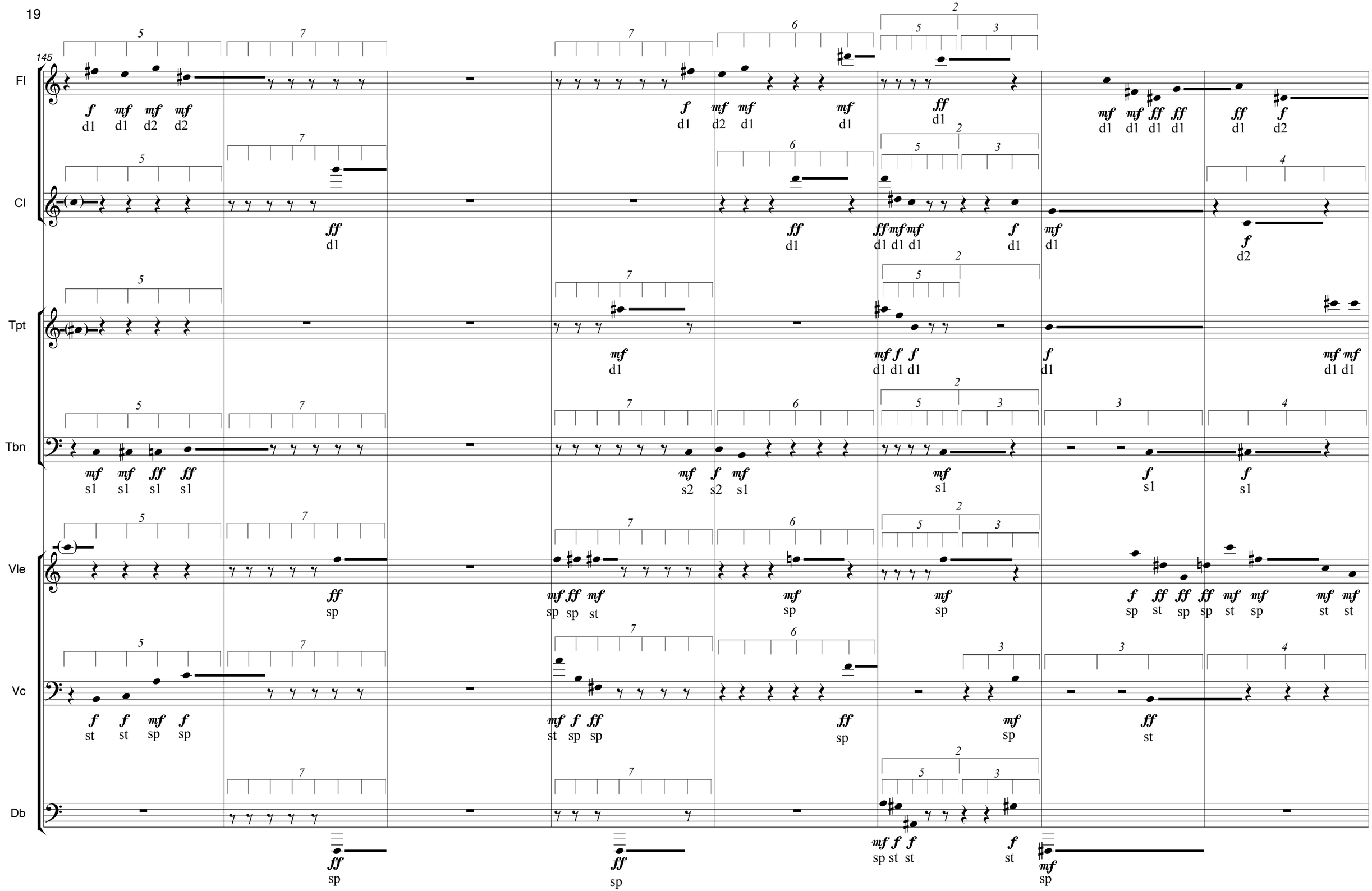
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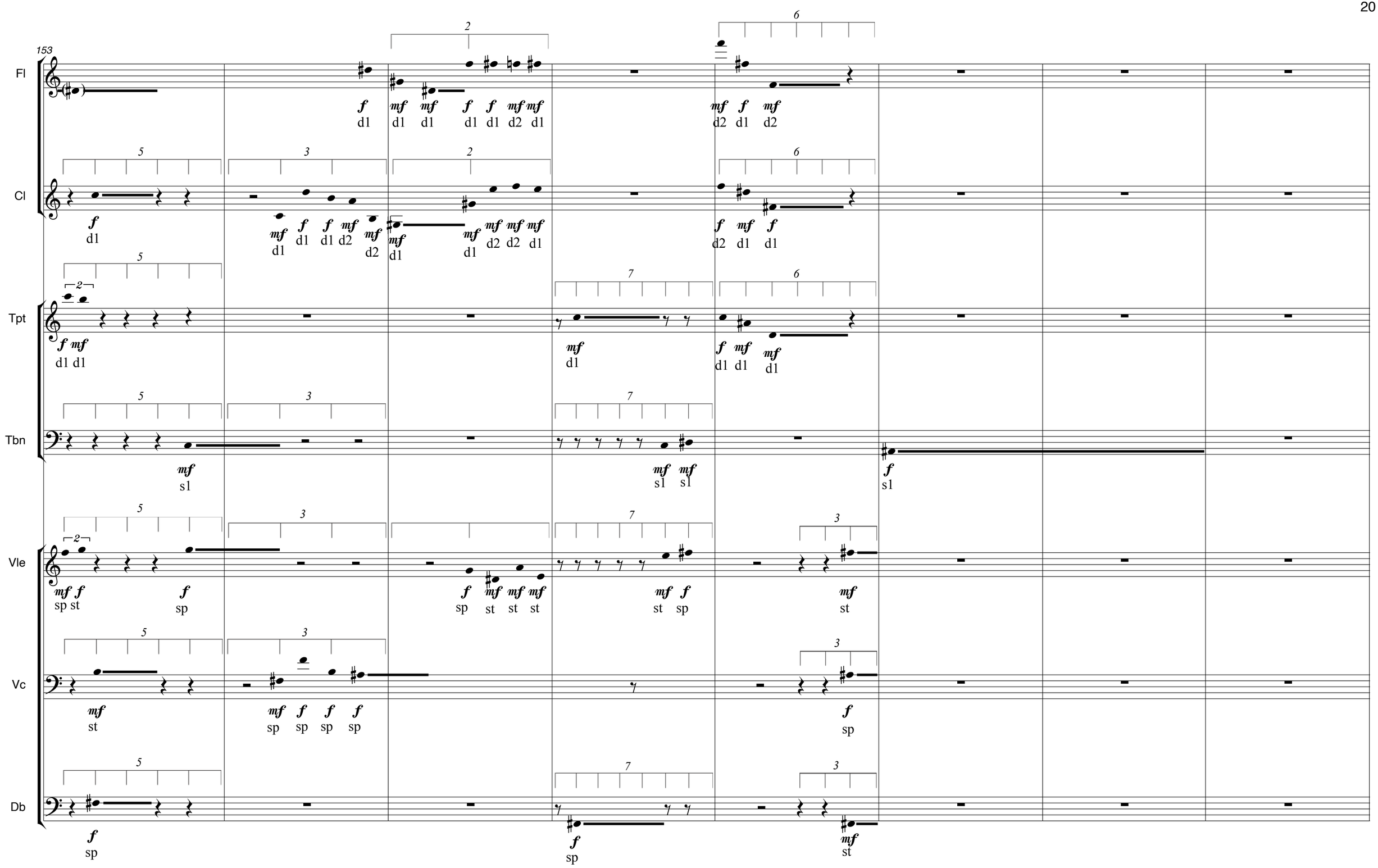
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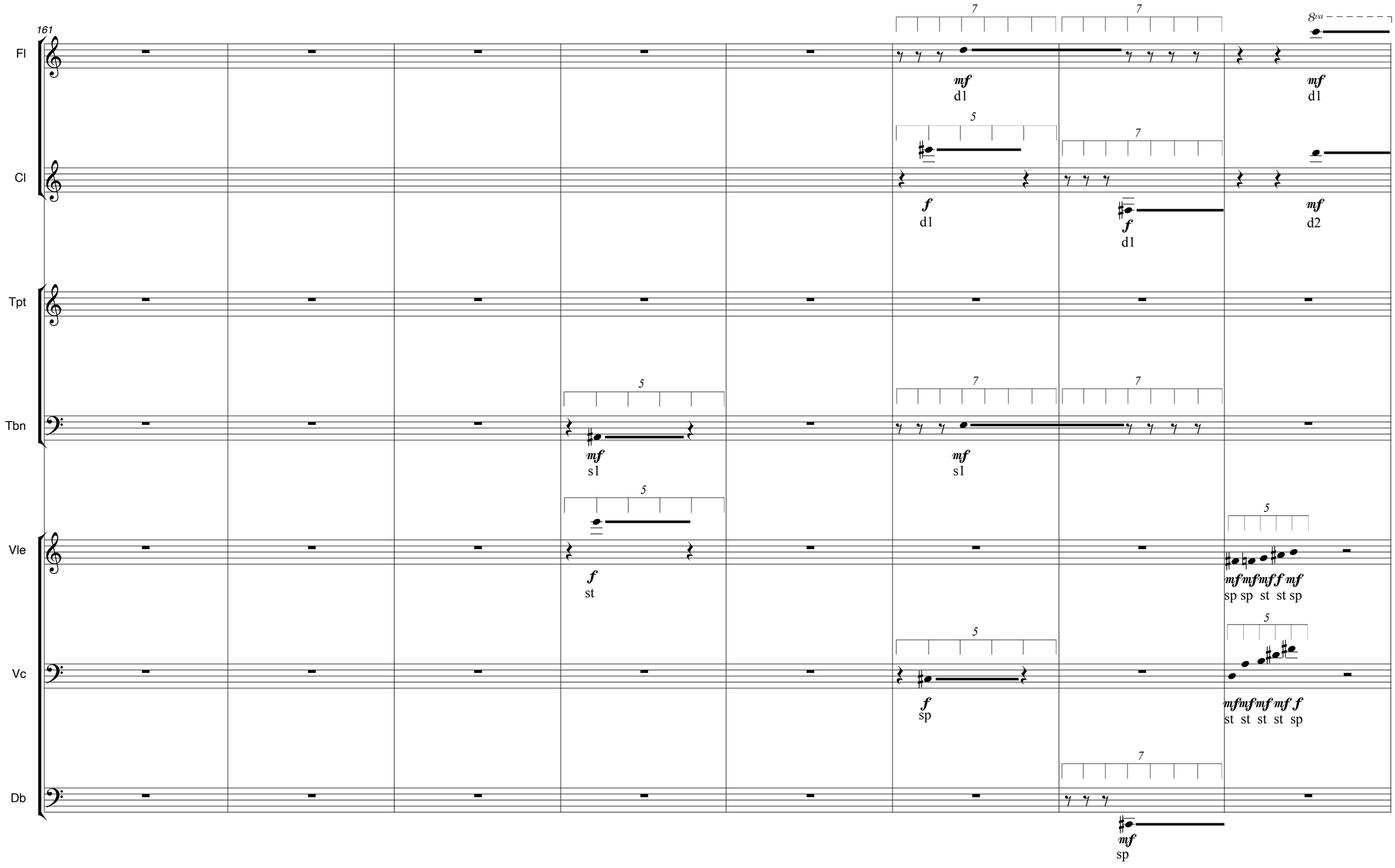
Vc
Db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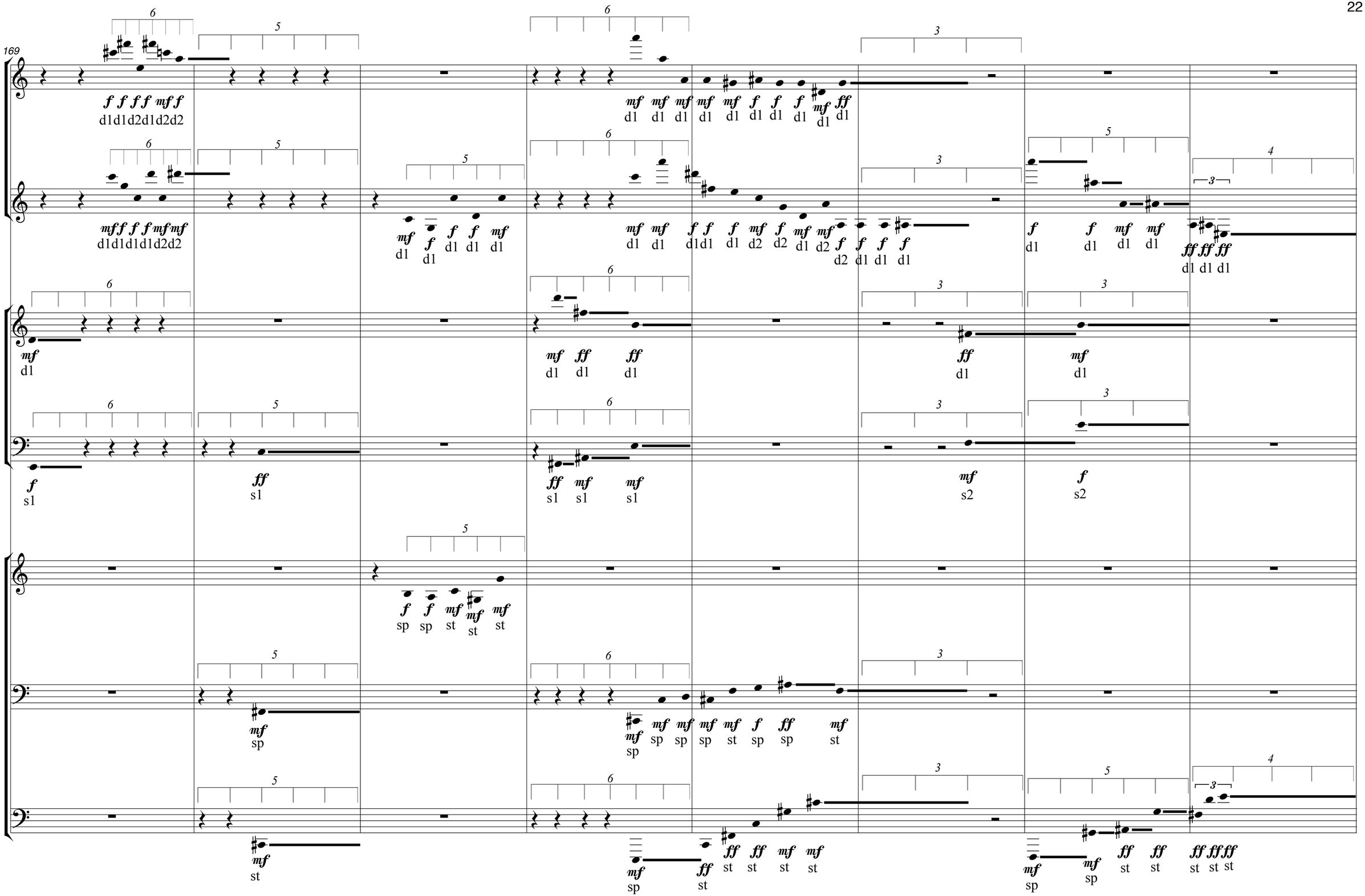
Fl
Cl
Tpt
Tbn
Vle
Vc
Db
8va
mf
d1
f
d1
mf
d2
mf
s1
f
st
sp sp st st sp
sp
d2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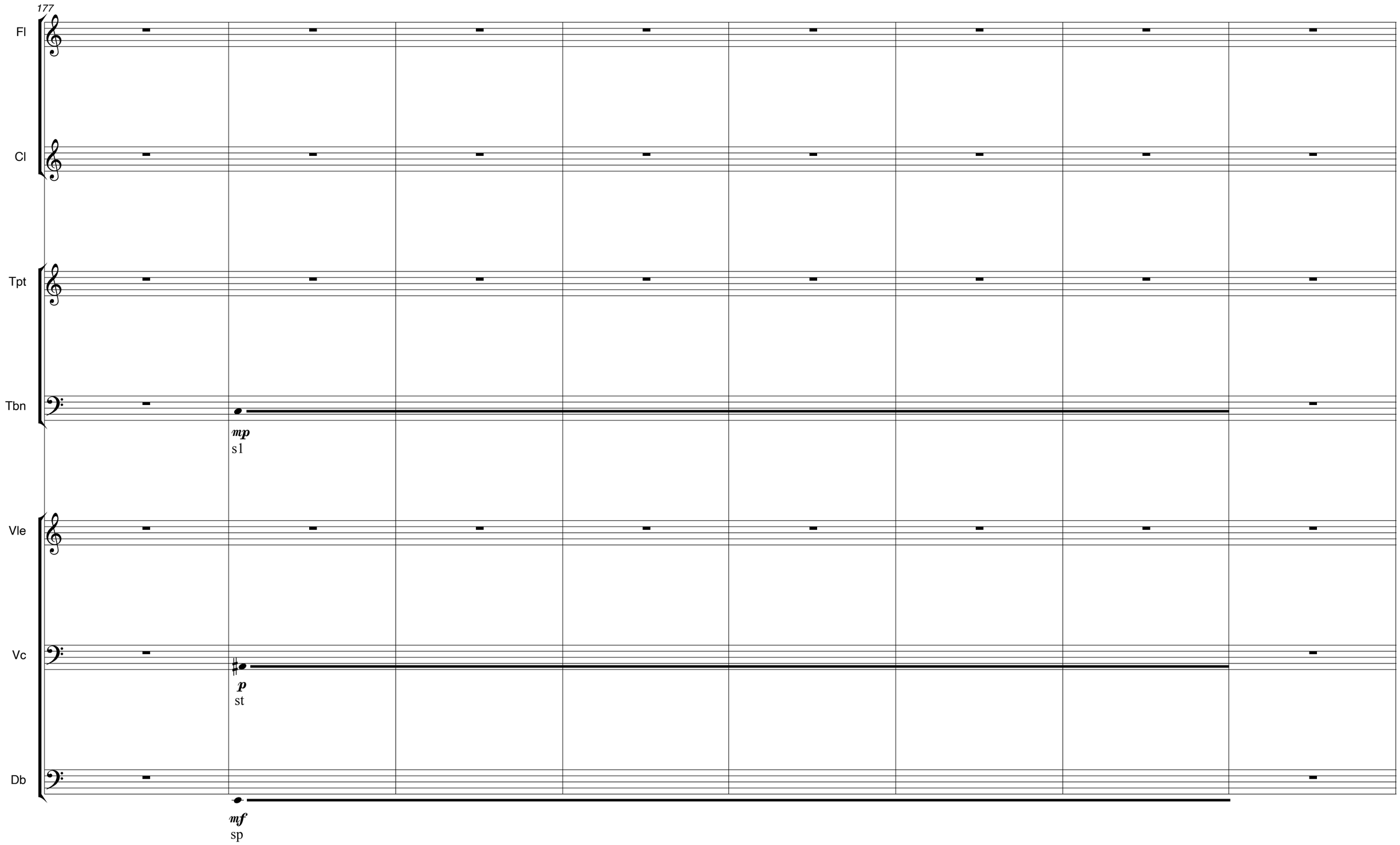
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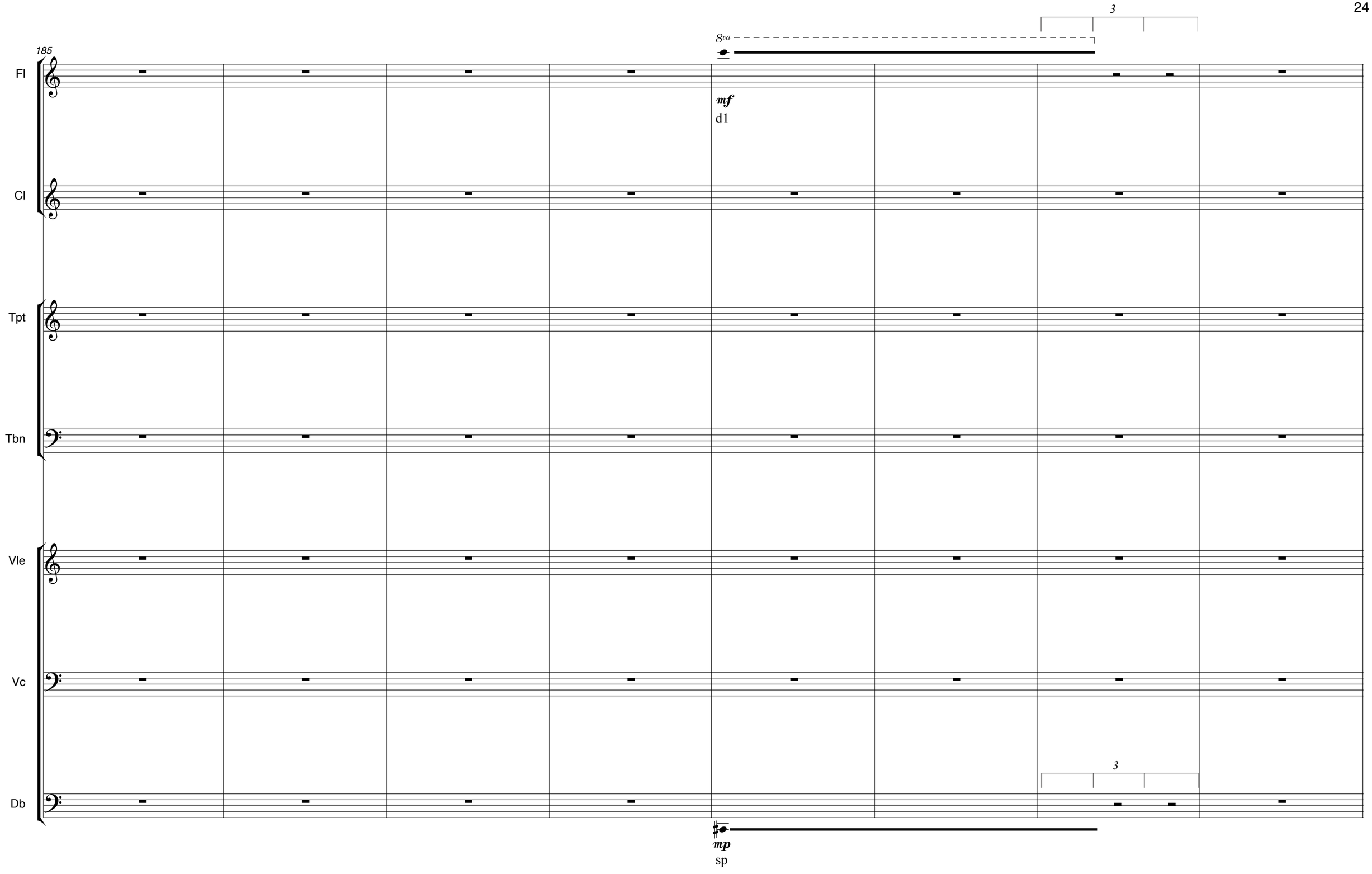
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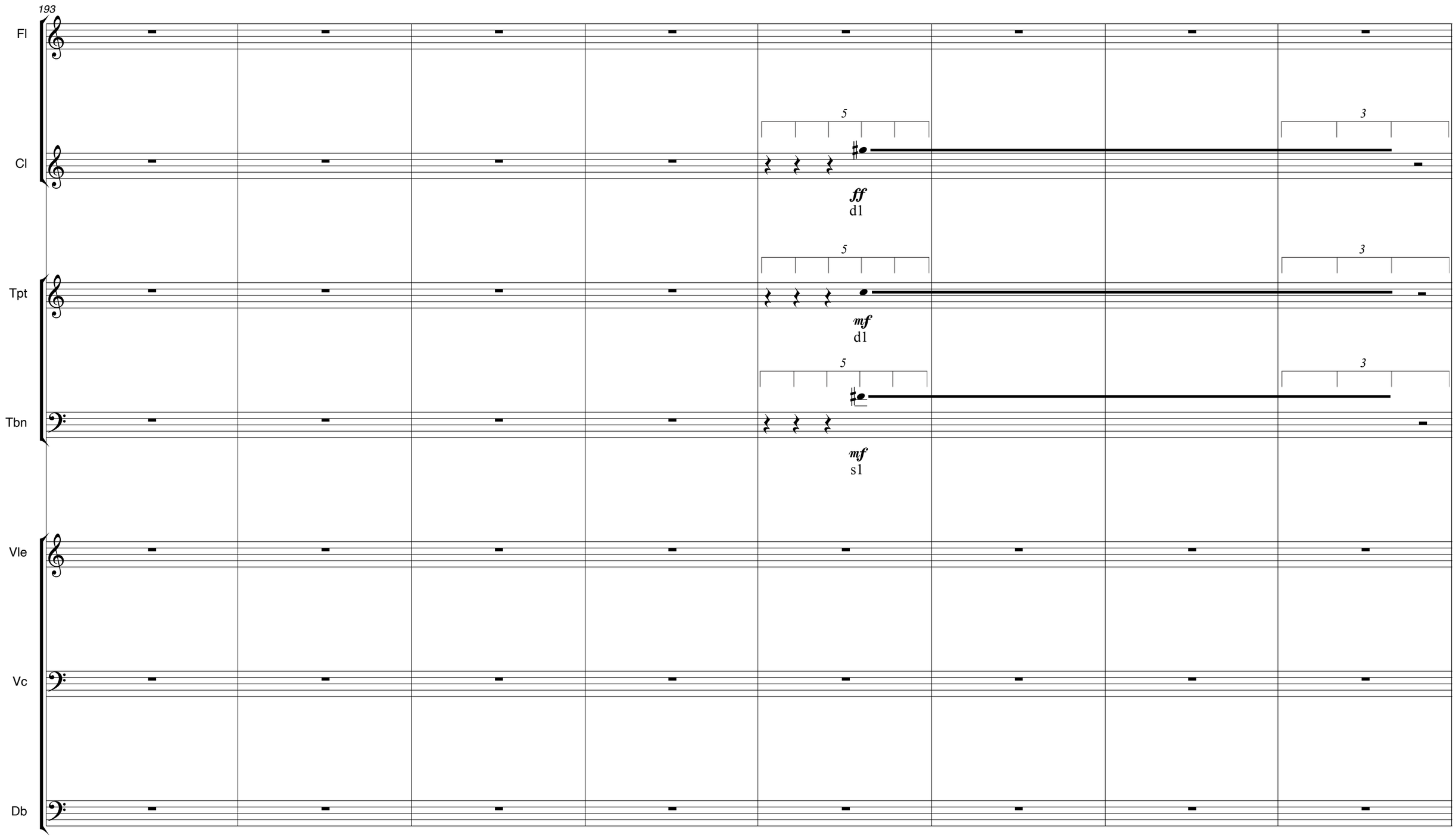
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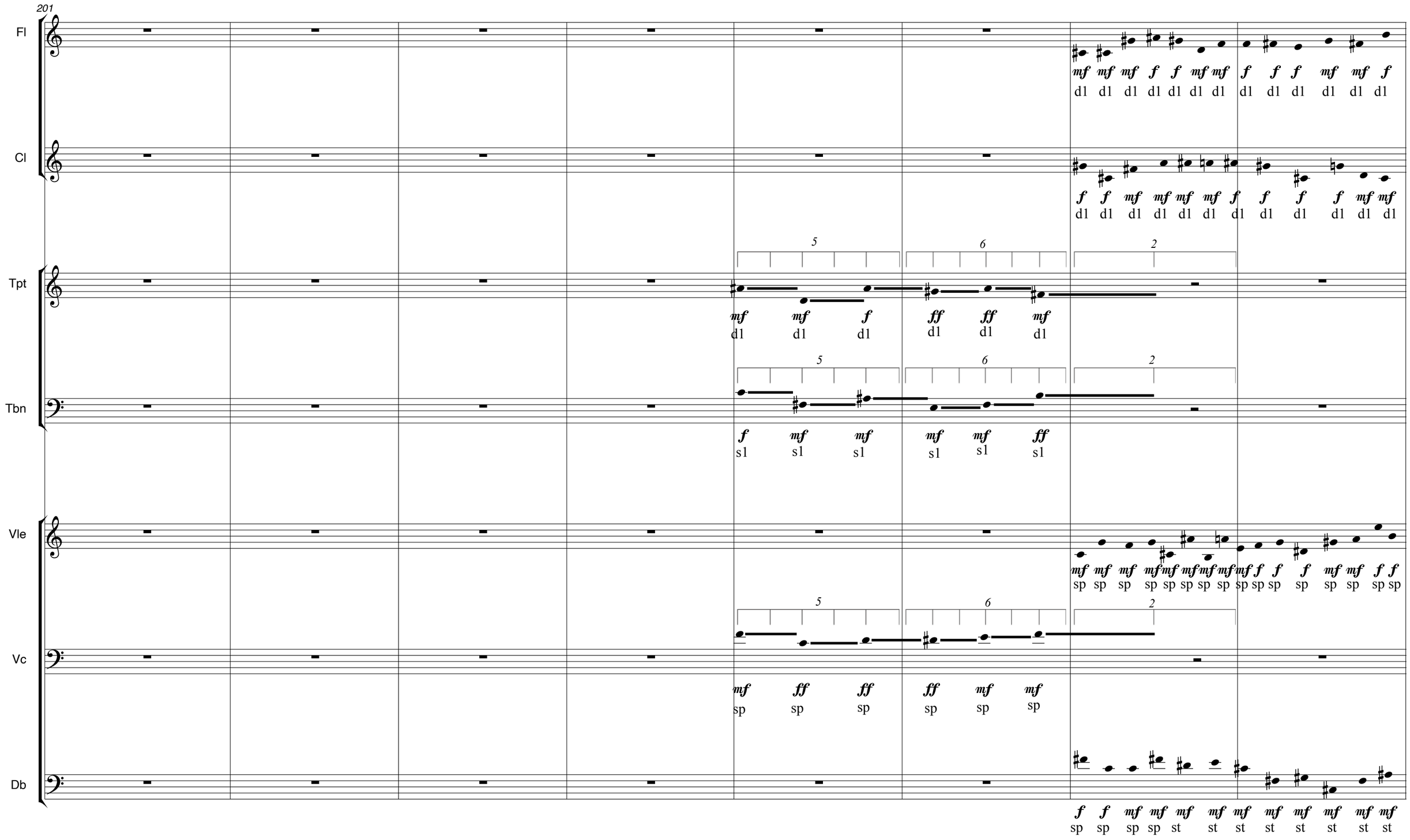
Db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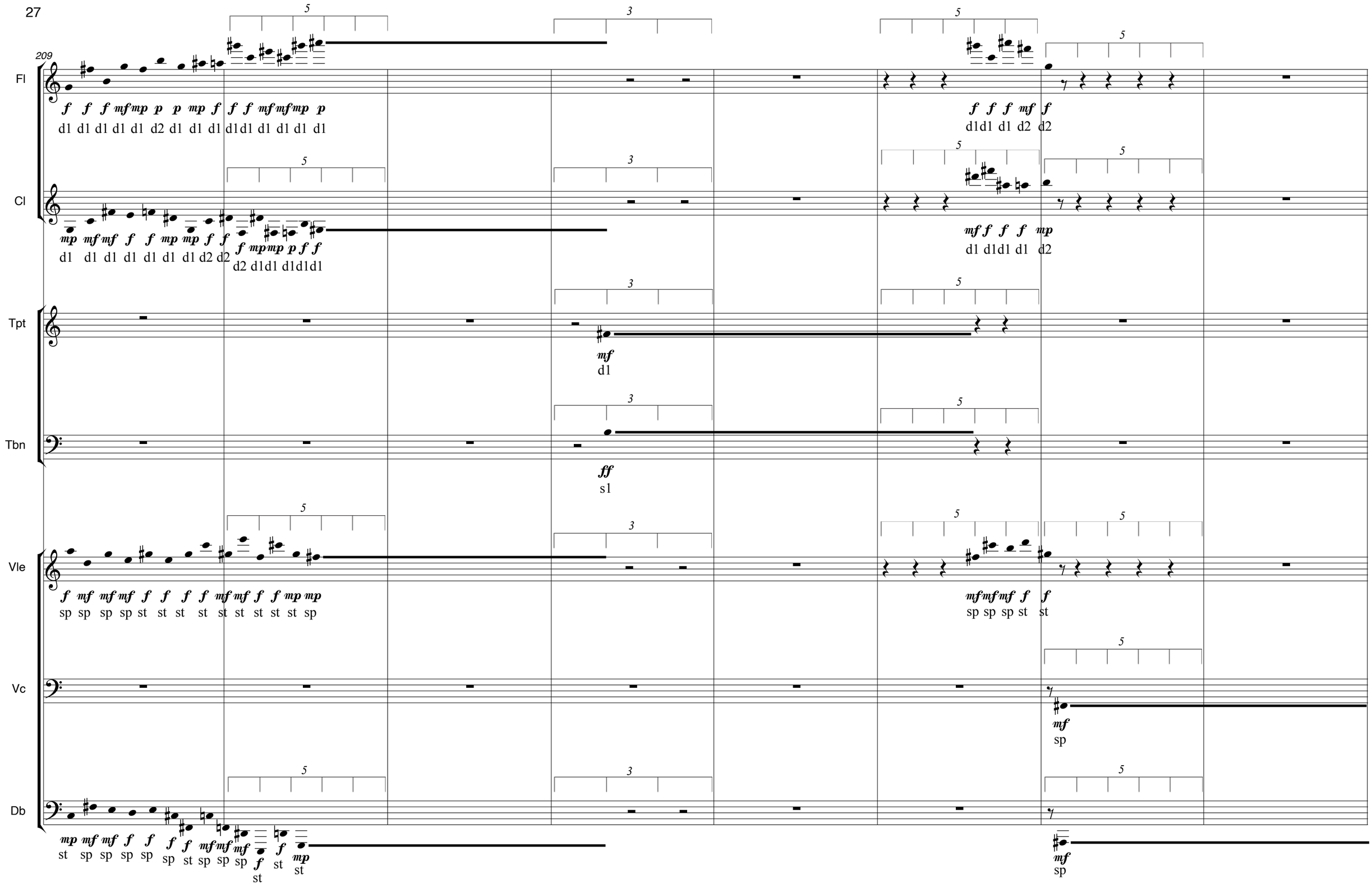
Vc
Db
5
6
2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f f f mf f
d1 d1 d1 d1 d2 d2
Cl
mp mf mf f f mp mp f f f mp mp p f f
d1 d1 d1 d1 d1 d1 d1 d2 d2 d2 d1 d1 d1 d1 d1
mf f f f mp
d1 d1 d1 d1 d2
Tpt
mf
d1
Tbn
ff
s1
Vle
f mf mf mf f f f f mf mf f f mp mp
sp sp sp sp st st st st st st st st st sp
mf mf mf f f
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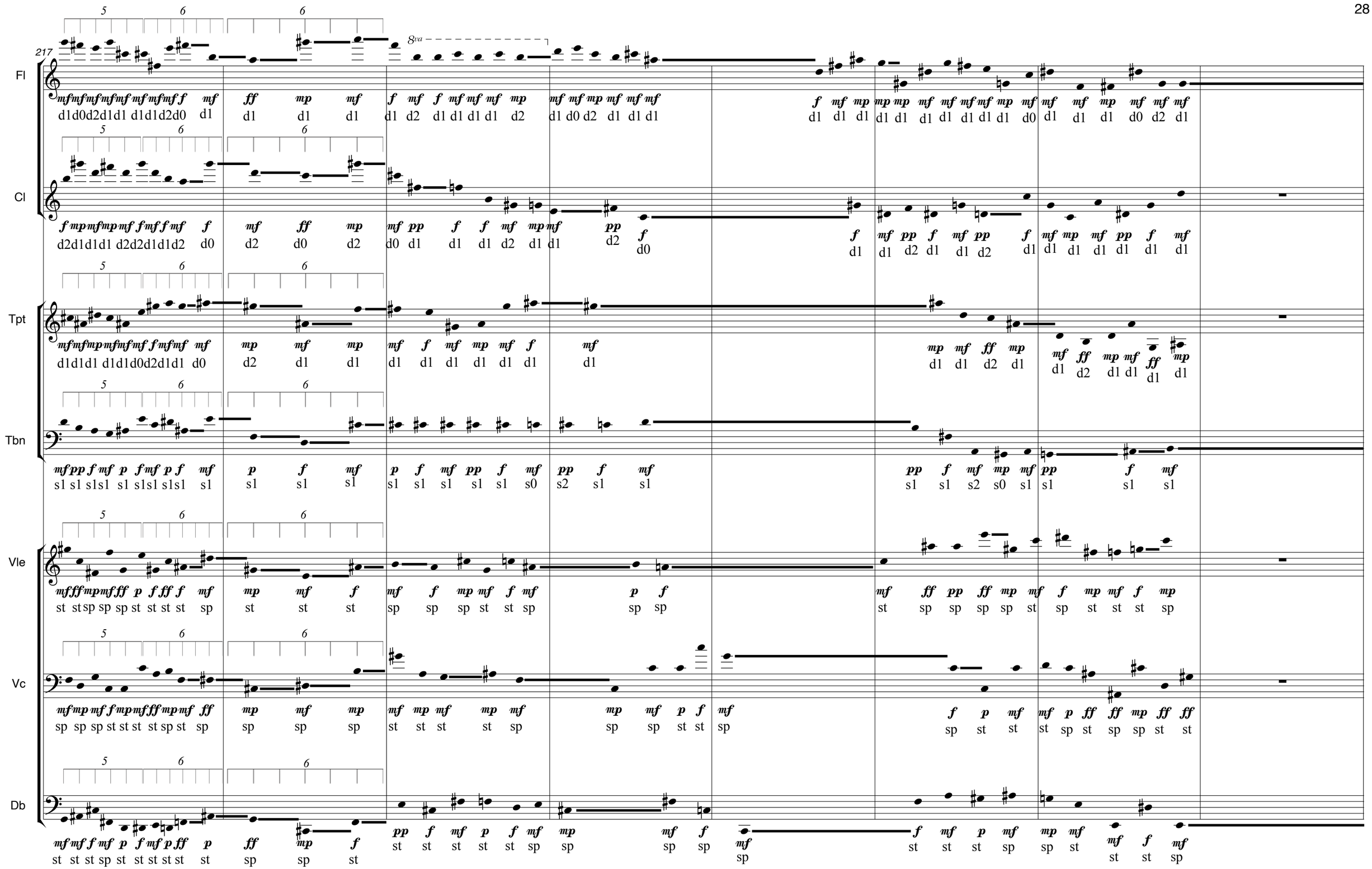
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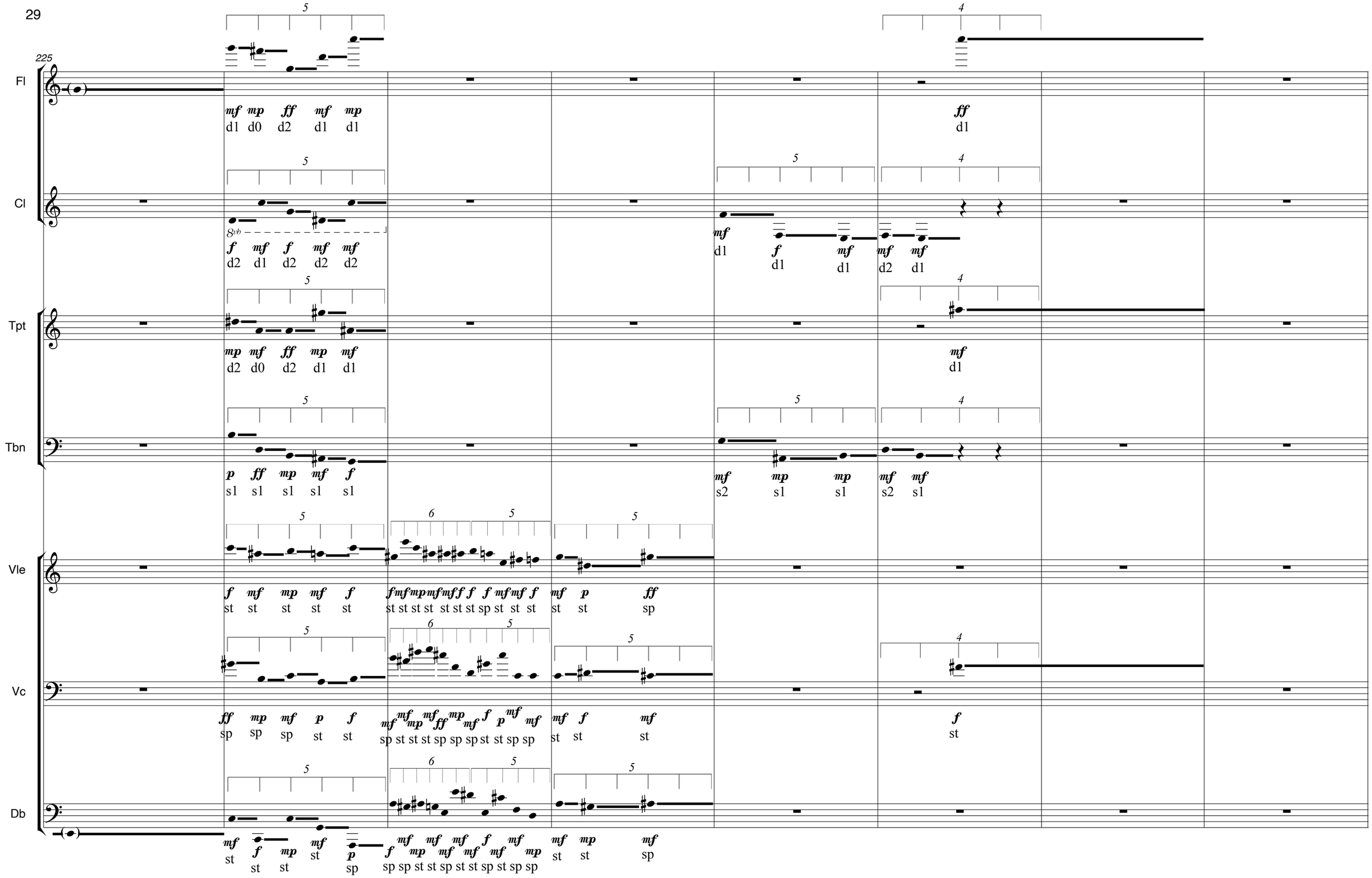
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Fl
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ff
d1
Cl
8vb
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d2 d1 d2 d2 d2
mf
d1
f
d1
mf
d1
mf mf
d2 d1
Tpt
mp mf ff mp mf
d2 d0 d2 d1 d1
mf
d1
Tbn
p ff mp mf f
s1 s1 s1 s1 s1
mf mp mp
s2 s1 s1
mf mf
s2 s1
Vle
f mf mp mf f
st st st st st
f mf mp mf mf f f f mf mf f
st st st st st st st sp st st st
mf p ff
st st sp
Vc
ff mp mf p f
sp sp sp st st
mf mf mp mf ff mp mf f p mf mf
sp st st st sp sp sp st st sp sp
mf f mf
st st st
f
st
Db
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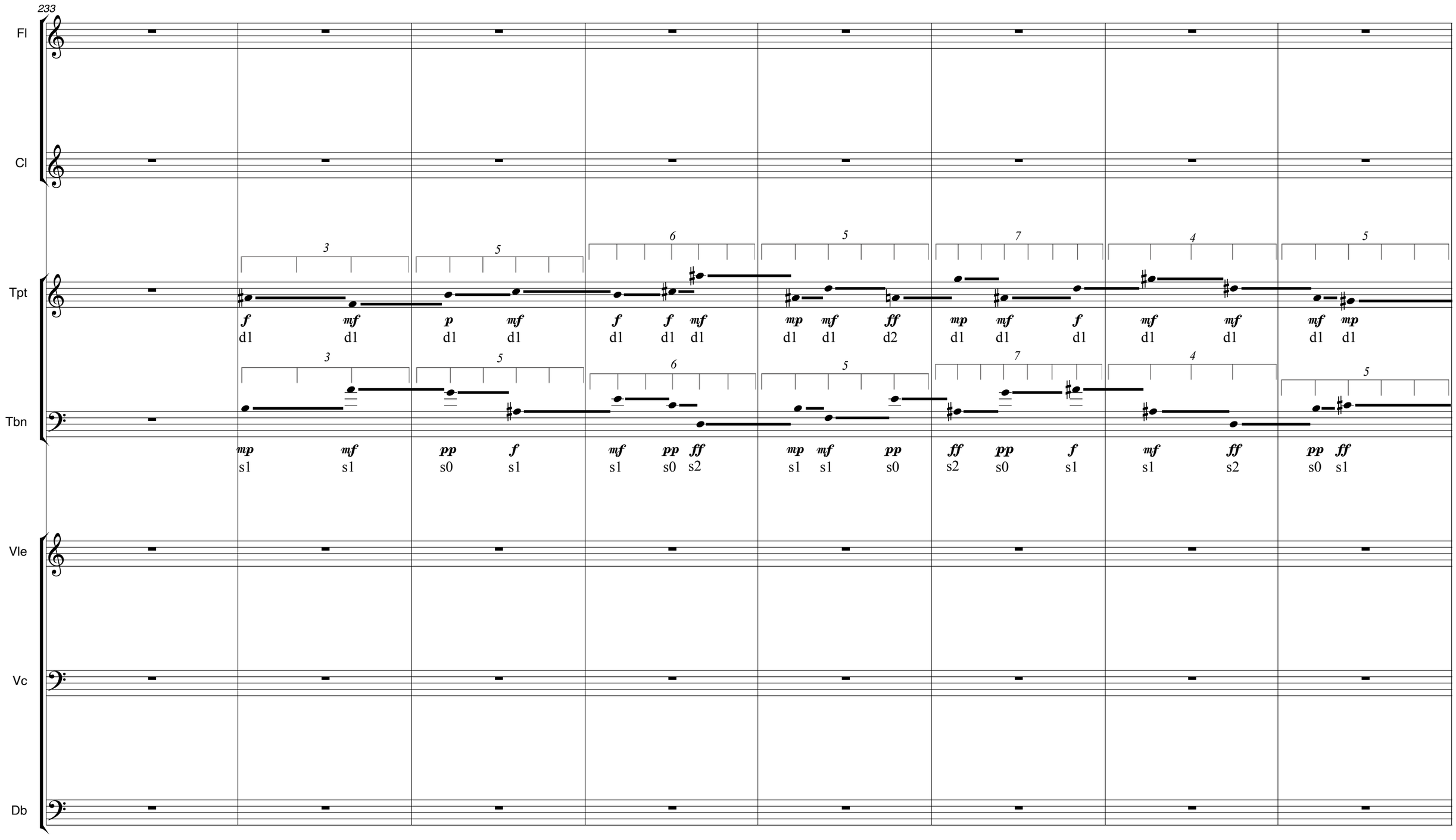
mf mp mf
st st sp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Fl
Cl
Tpt
Tbn
Vle
Vc
Db
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d1 d1 d1 d1 d1 d1 d1 d1 d1 d2 d1 d1 d1 d1 d1 d1 d1
3 5 6 5 7 4 5
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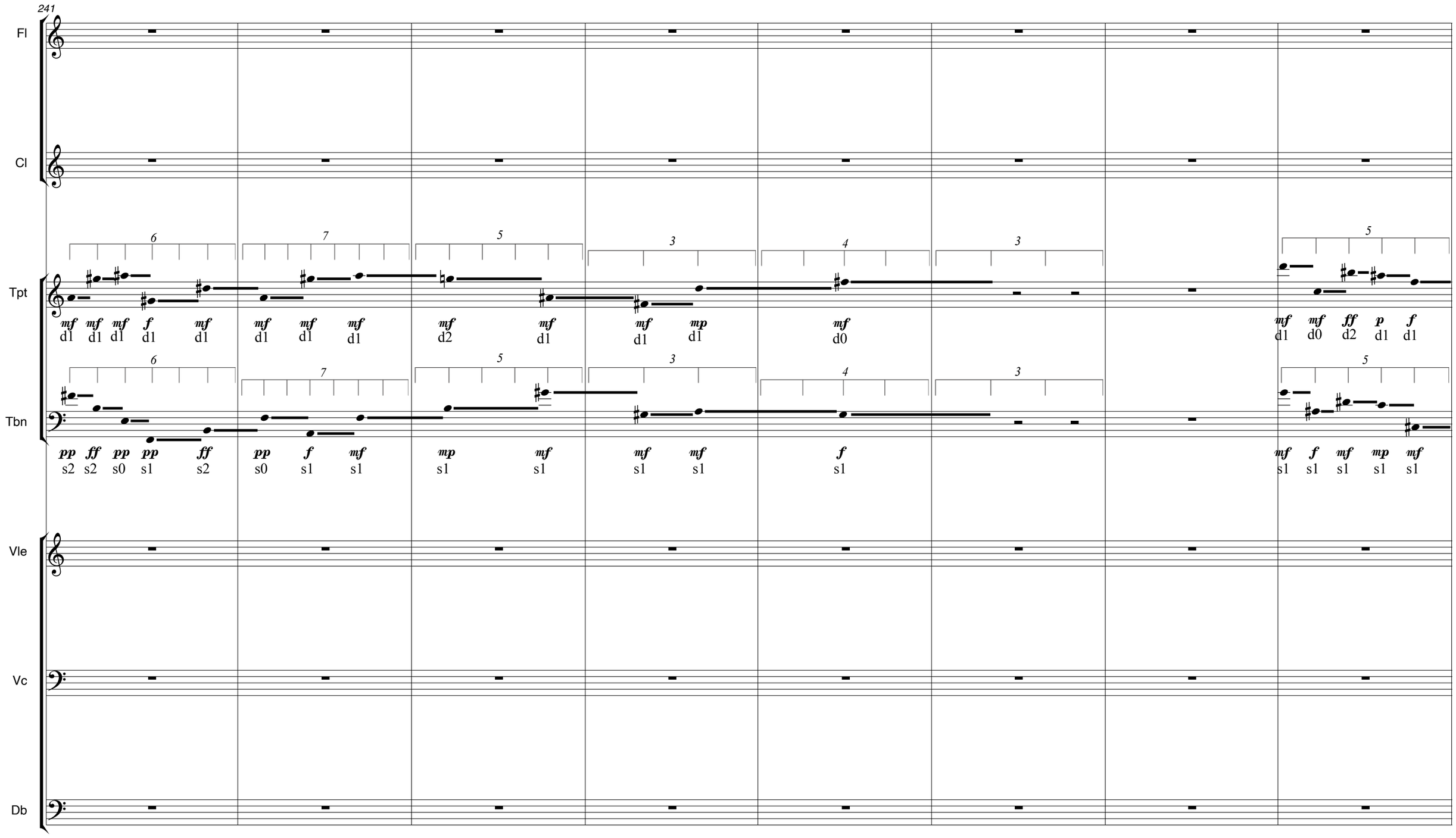
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Fl
Cl
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Vc
Db
6 7 5 3 4 3 5
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d1 d1 d1 d1 d1 d1 d1 d1 d2 d1 d1 d1 d0 d1 d0 d2 d1 d1
6 7 5 3 4 3 5
pp ff pp pp ff pp f mf mp mf mf mf f mf f mf mp mf
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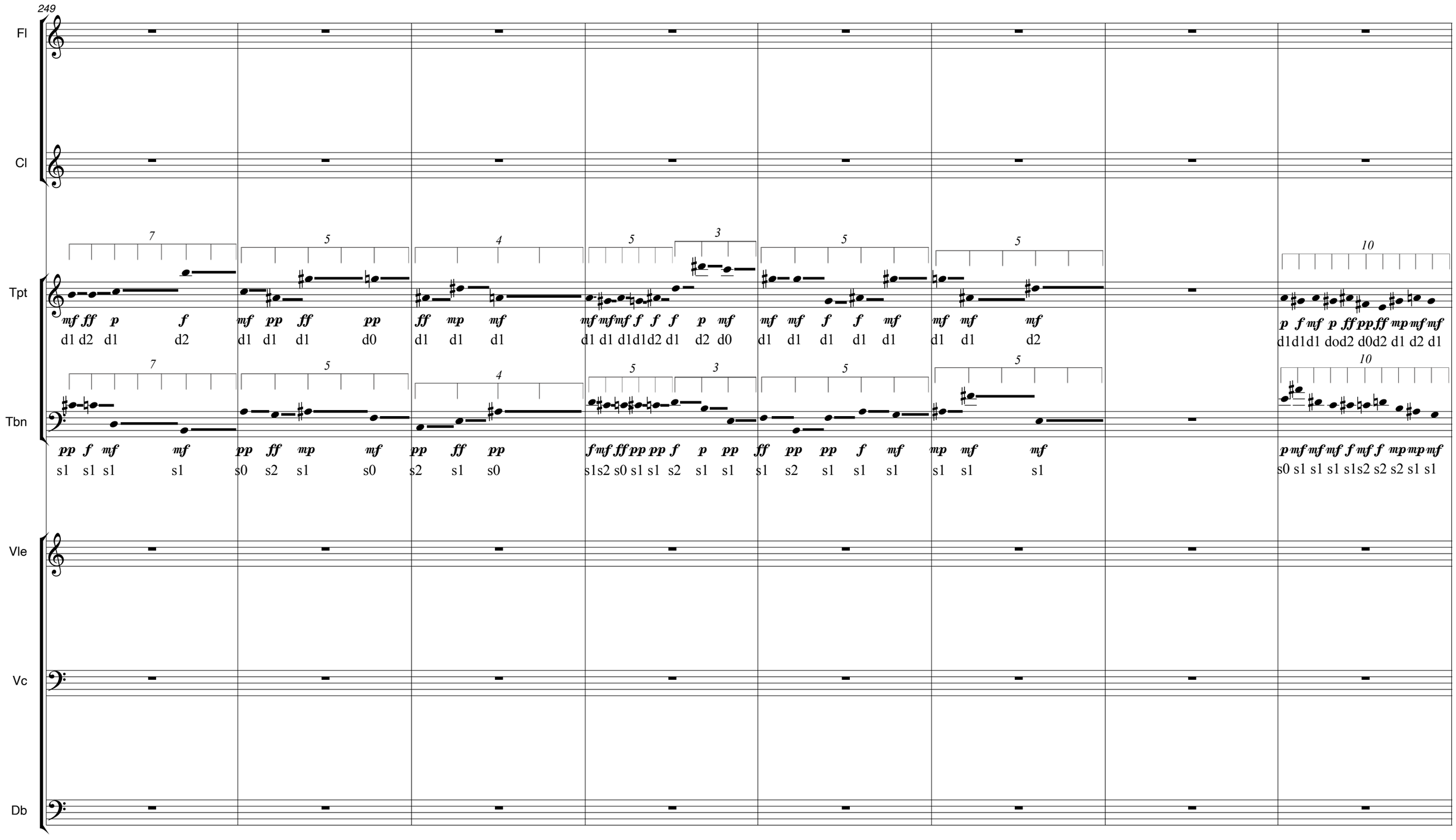
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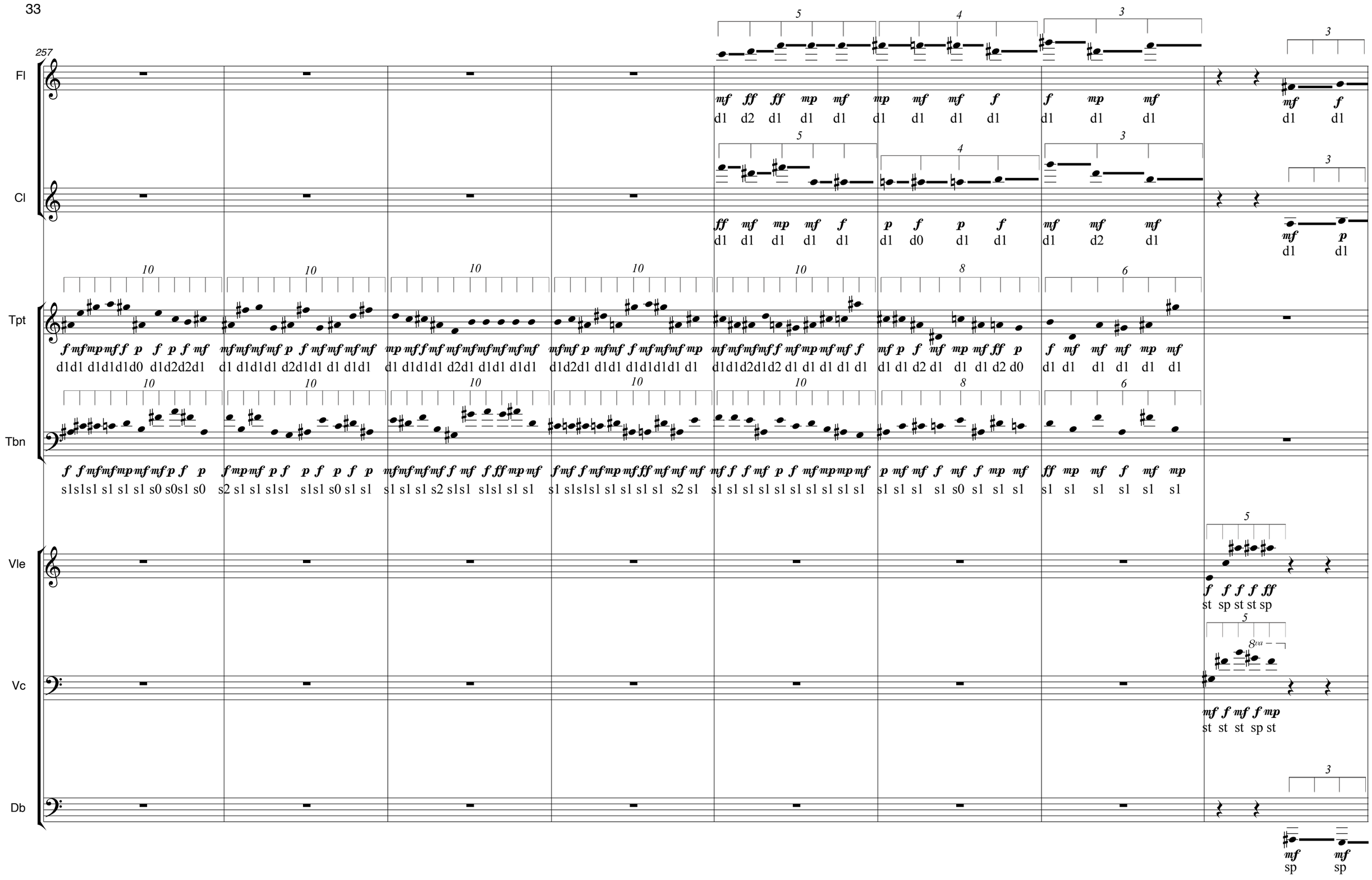
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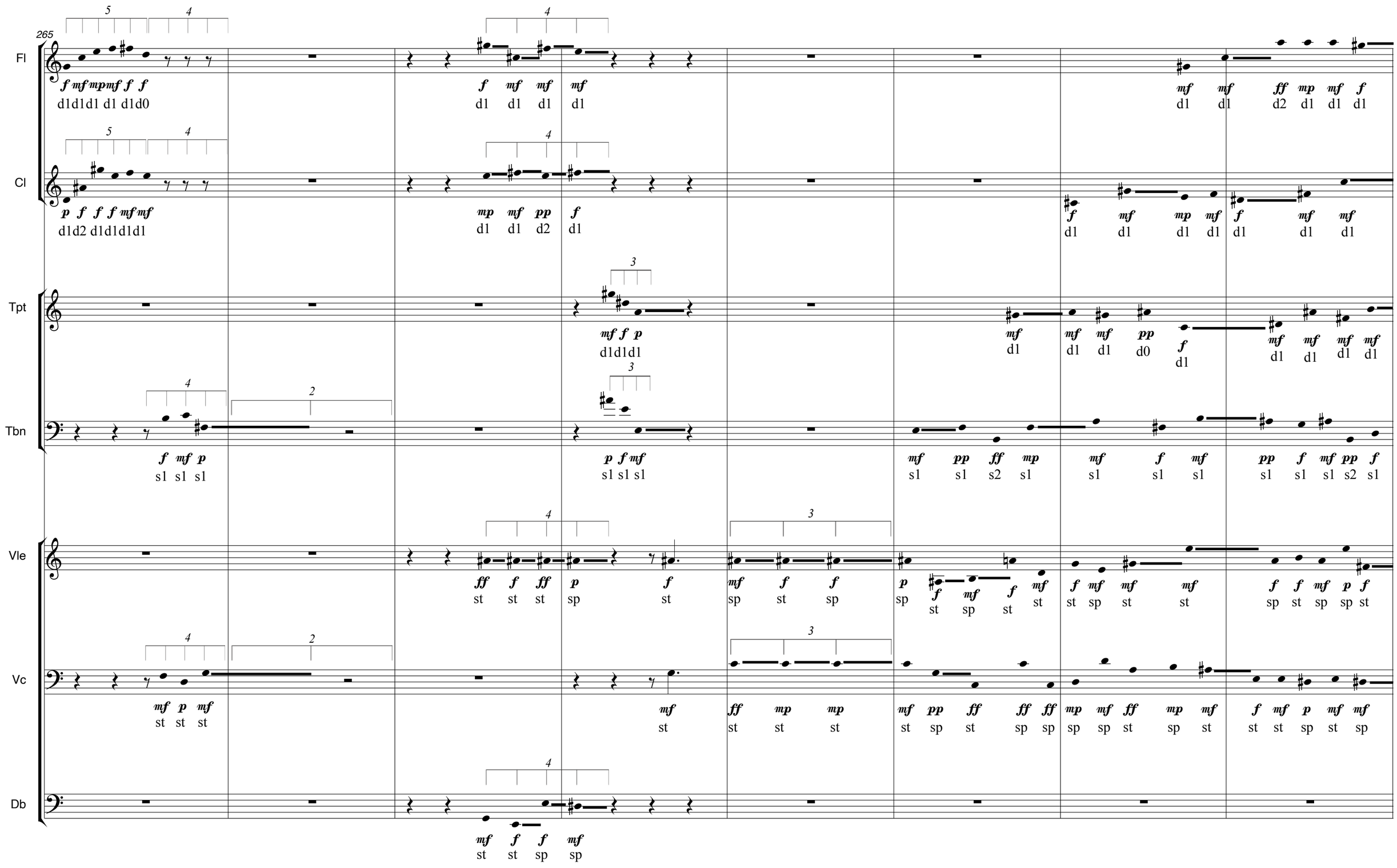
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Tbn
Vle
Vc
Db

273

Fl

mf mp mp
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mf mf
d1 d1

Cl

mf
d1

mf mf f mf mp mf ff mf mf mf pp
d1 d1 d1 d1 d1 d1 d2 d2 d1 d1 d0

Tpt

mf mf mf pp
d1 d1 d1 d2

f mf mf mf mf mf mf mf mf mf mf f
d1 d1 d1 d1 d1 d1 d1 d1 d1 d1 d1 d1

Tbn

mf pp
s1 s2

pp f mf
s1 s1 s1

Vle

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st sp sp st

Vc

mf
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mp mf
st sp

Db

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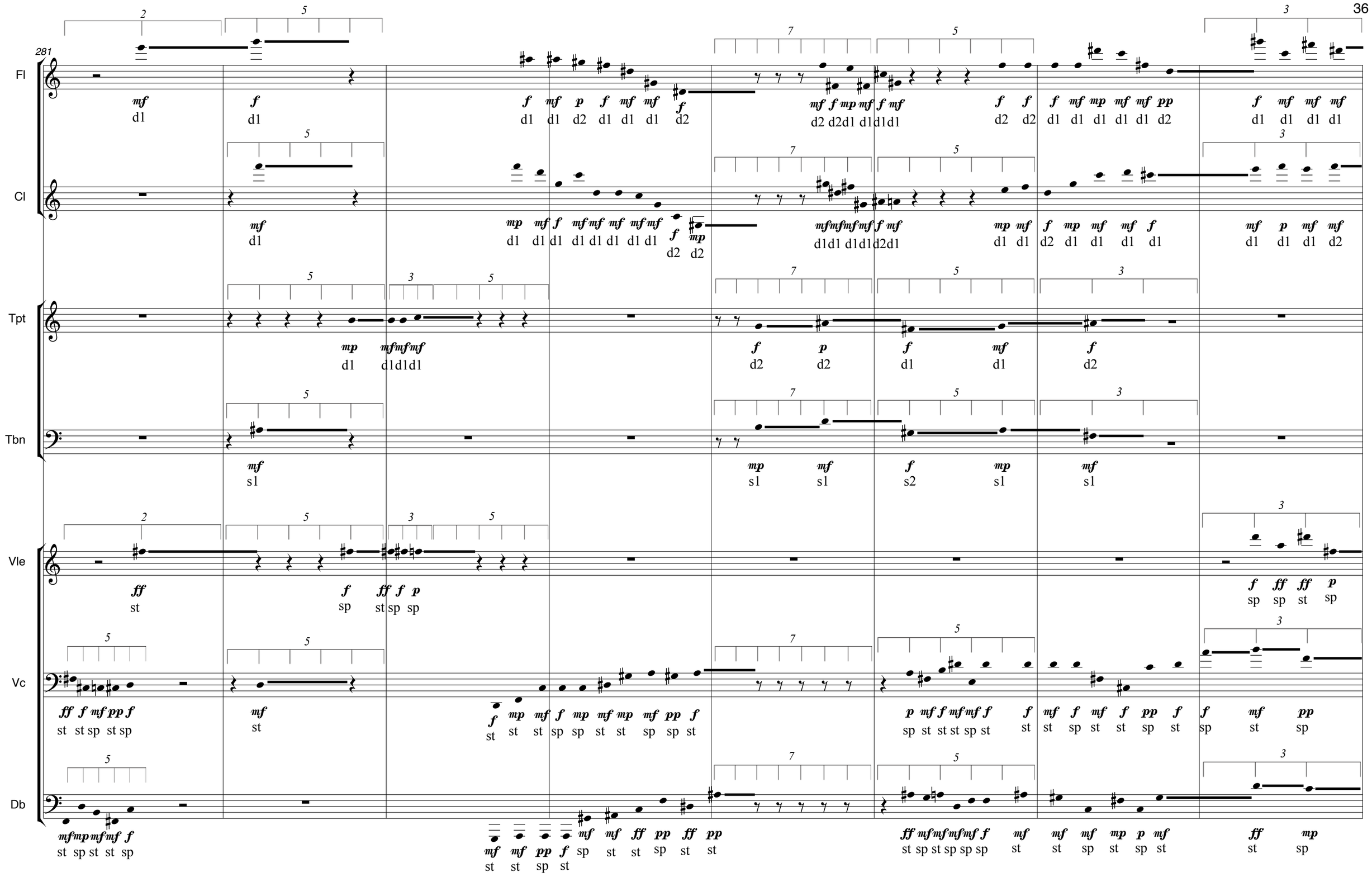
sp

pp f mf
sp st st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Cl
Tpt
Tbn
Vle
Vc
Db

289

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Cl

f p f mf mf mf mf mf pp f
d2 d1 d1d1 d1 d1 d1 d1 d1 d1

Tpt

p ff
d1 d2

Tbn

f mf
s1 s1

Vle

f mf
sp sp

Vc

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Db

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297

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Cl

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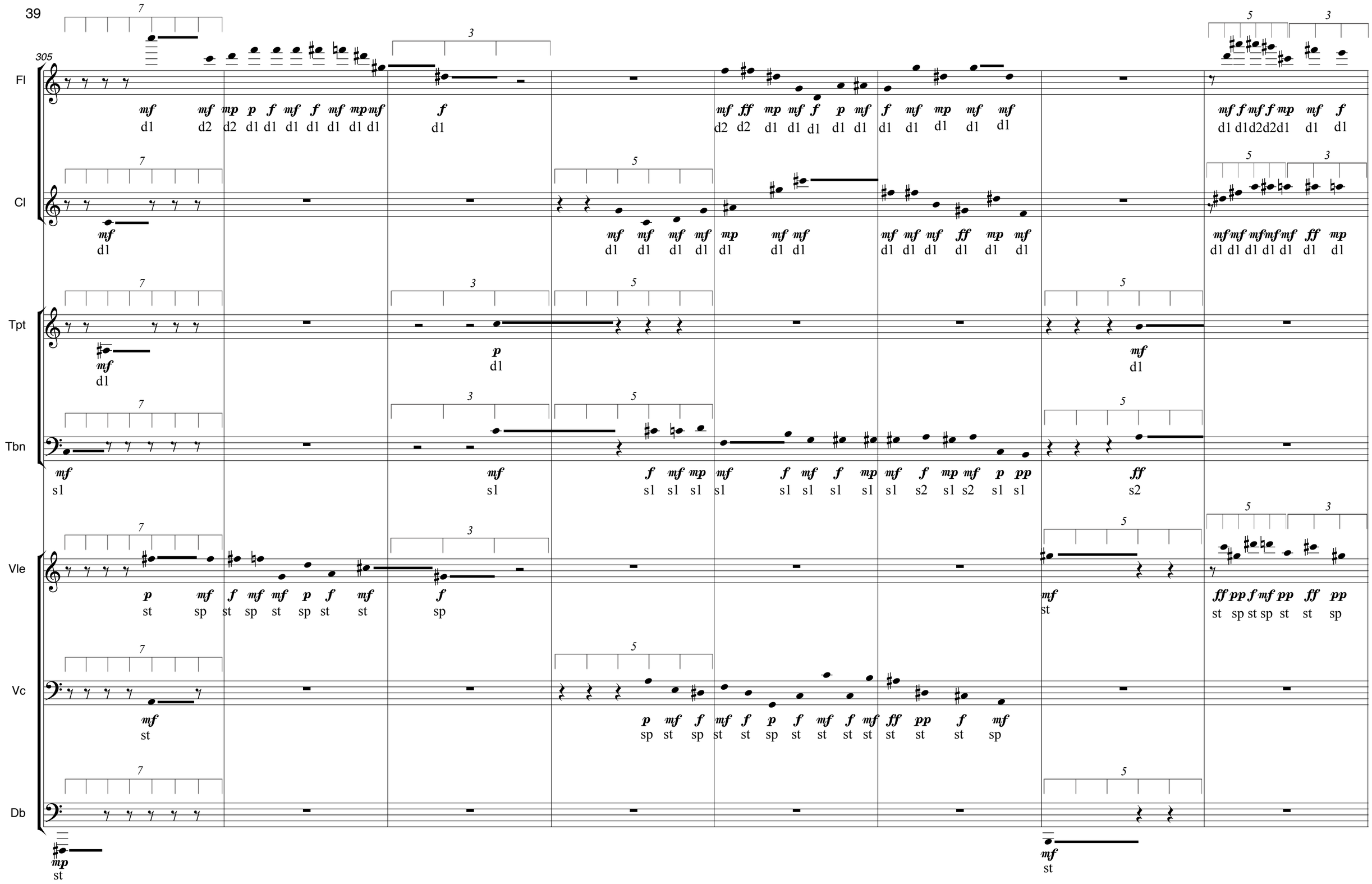
Vle

Vc

Db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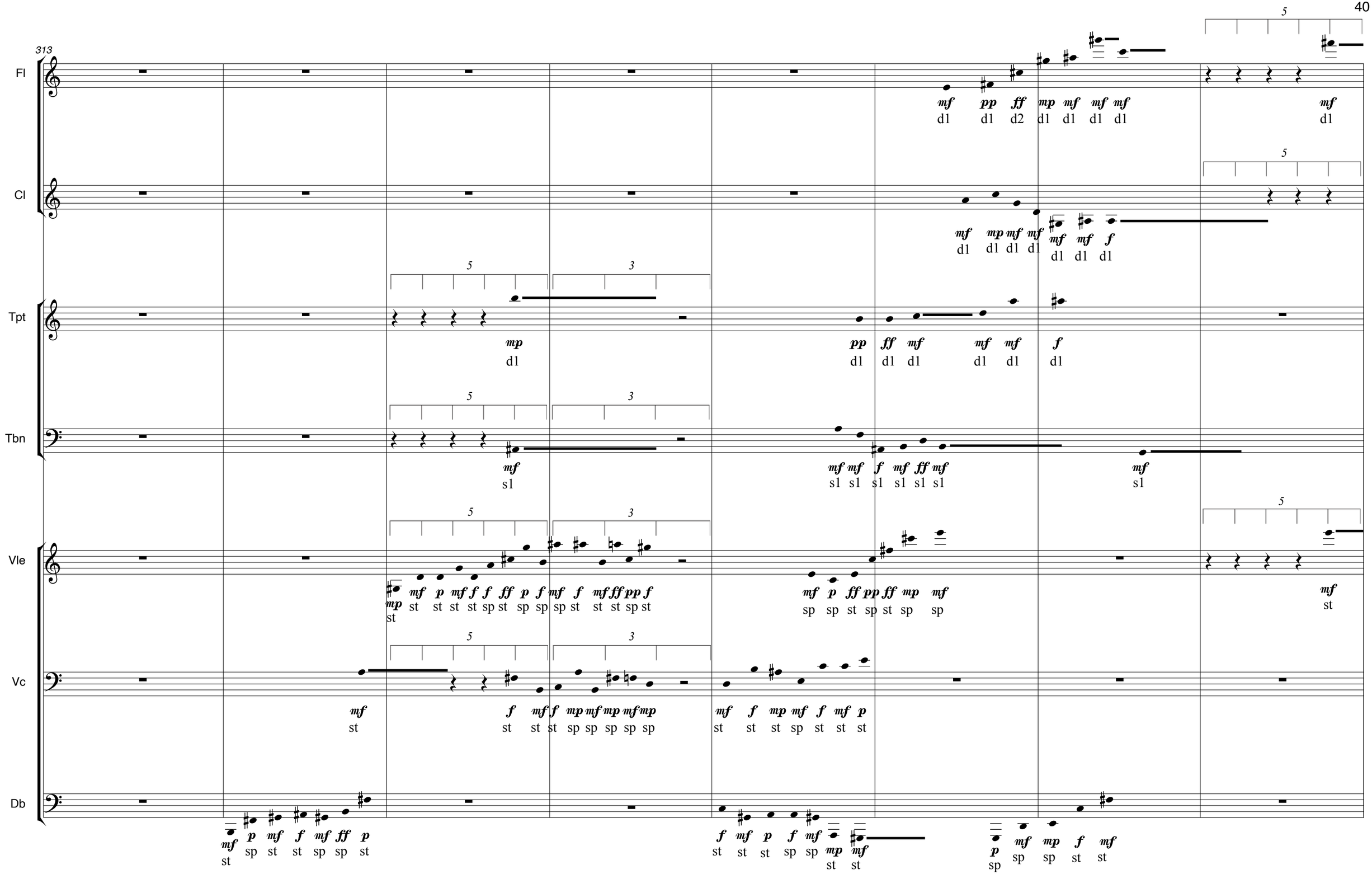
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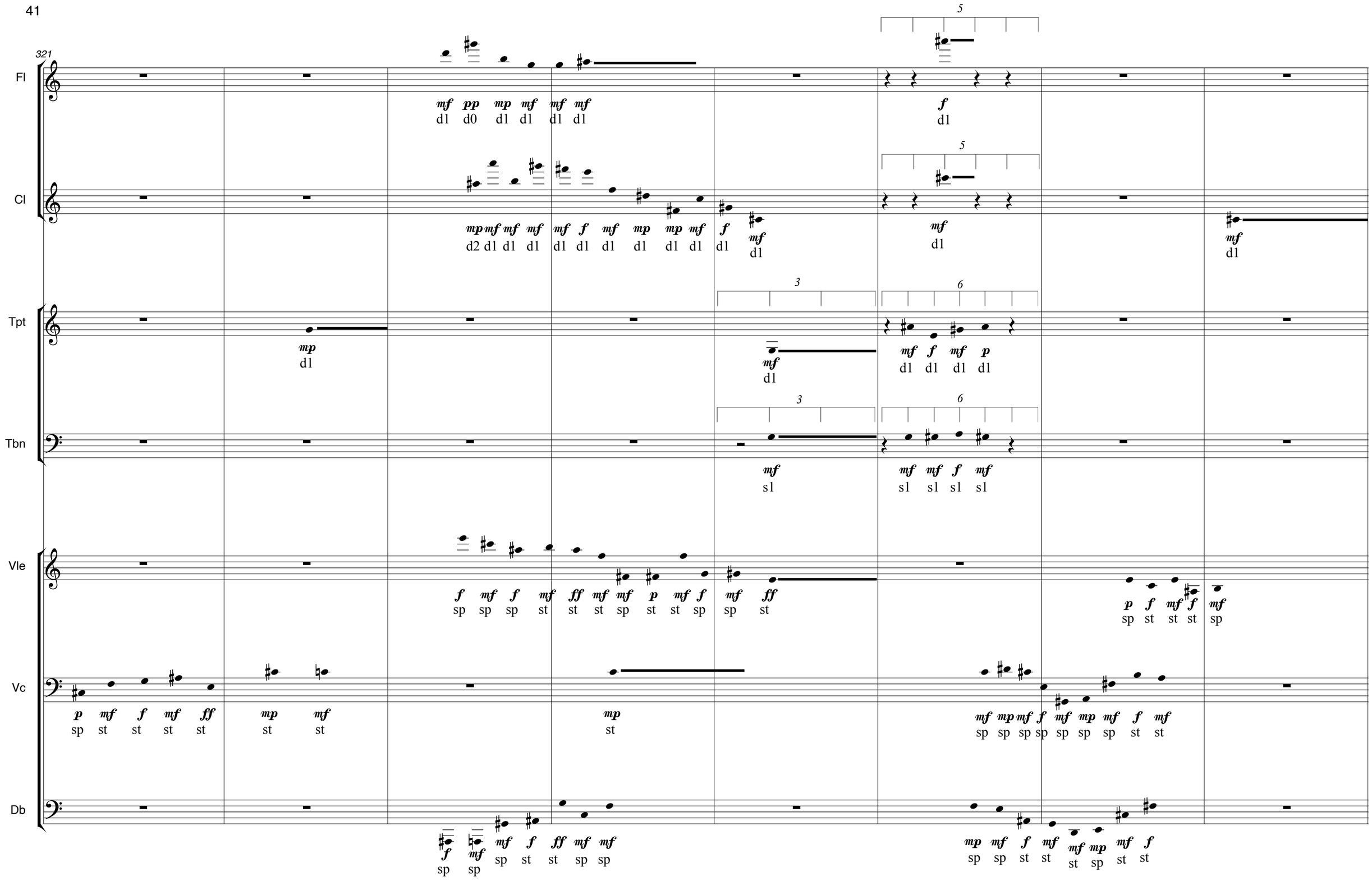
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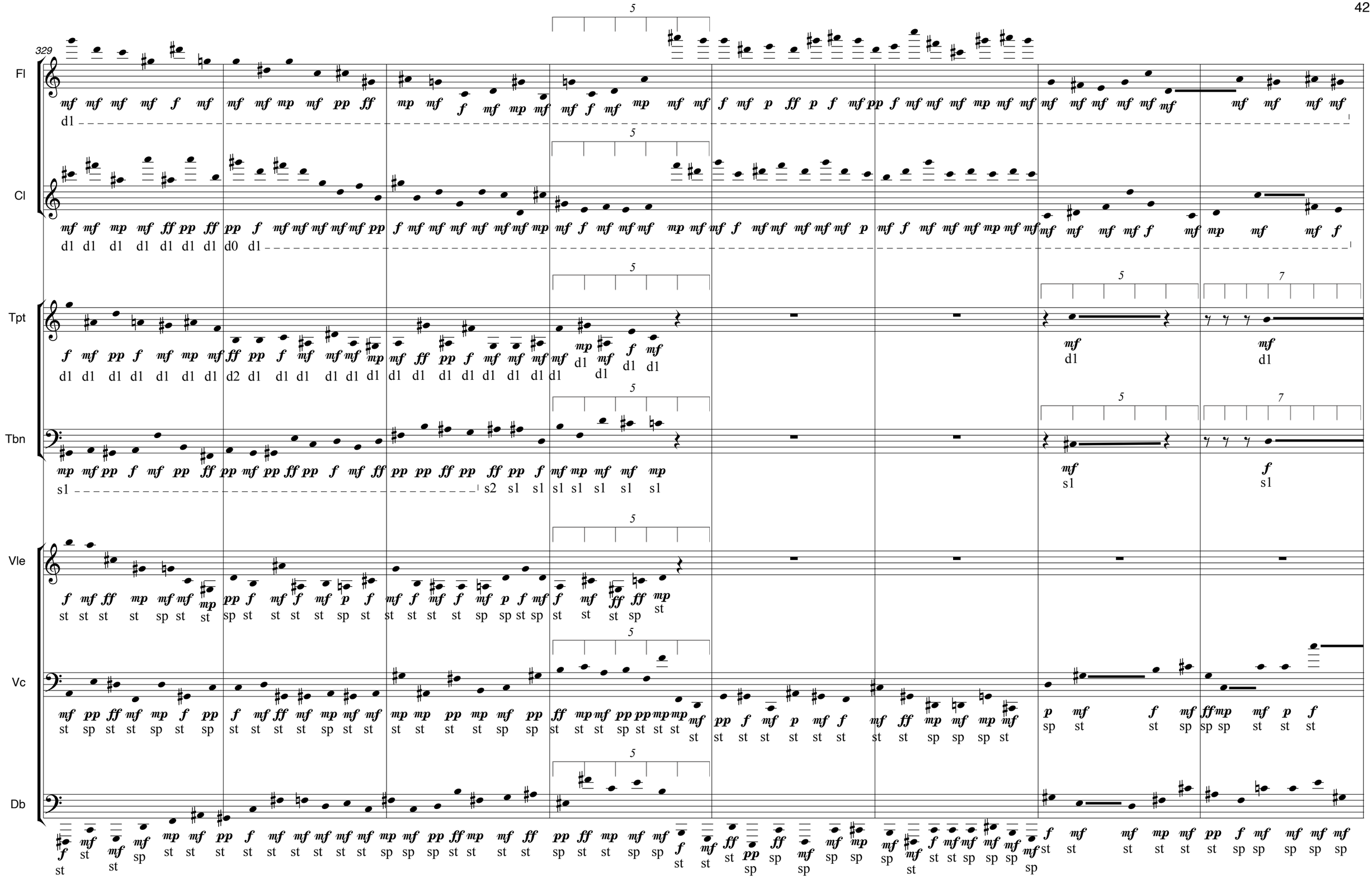
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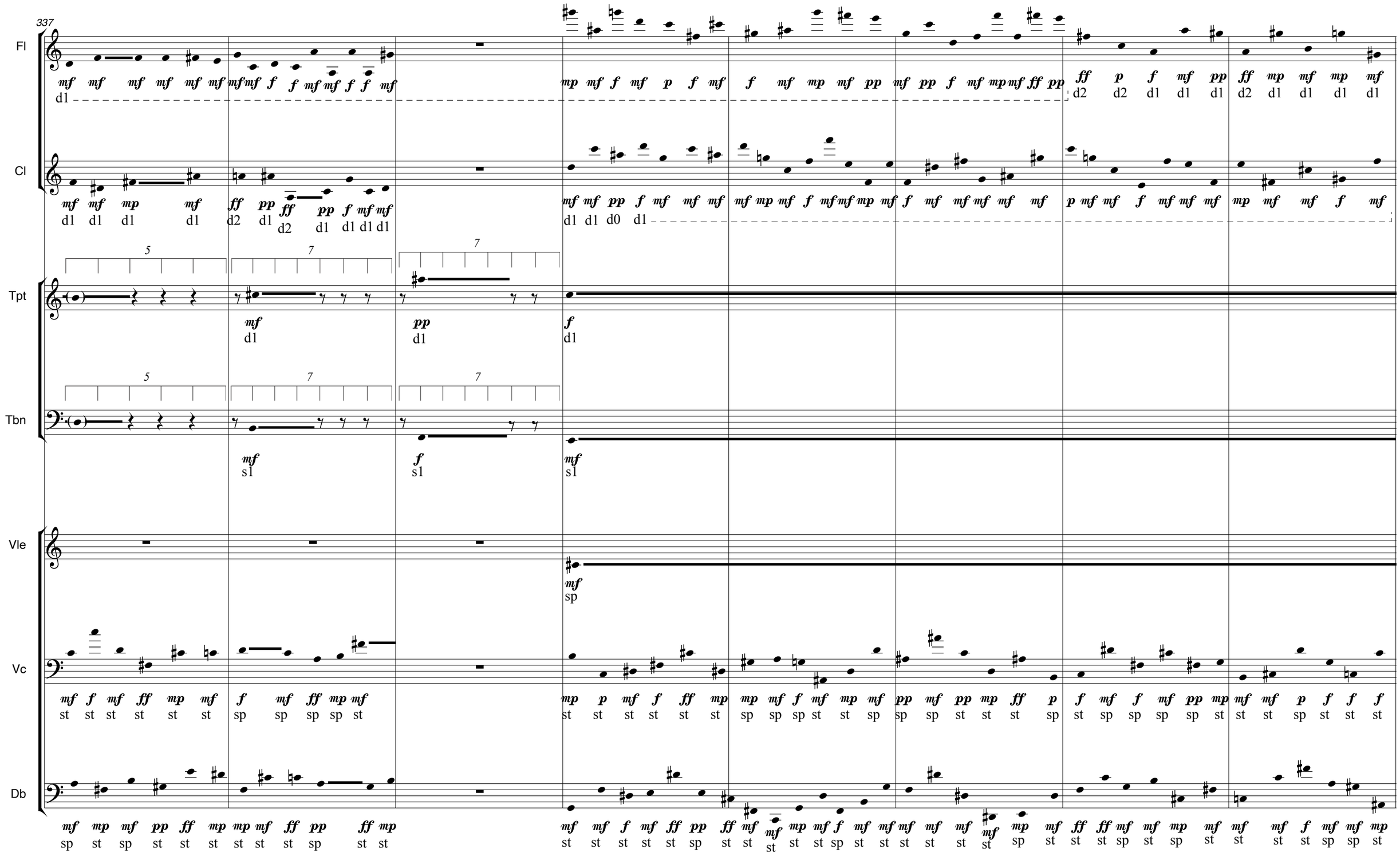
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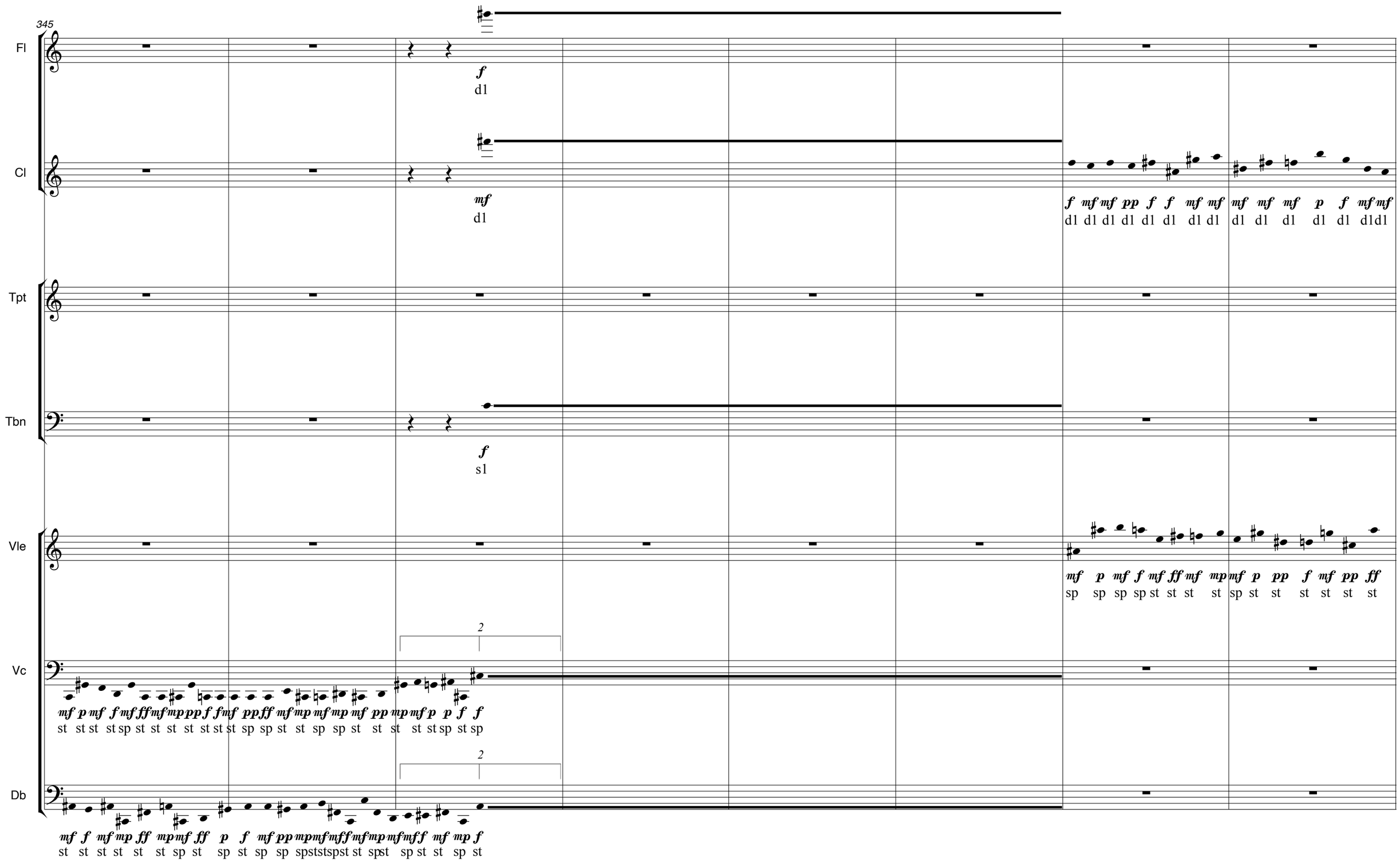
345
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Cl
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mf mf mf p f mf mf
d1 d1 d1 d1 d1 d1 d1
Tpt
Tbn
f
s1
Vle
mf p mf f mf ff mf mp mf p pp f mf pp ff
sp sp sp sp st st st st sp st st st st st st
Vc
2
mf p mf f mf ff mf mp pp f f mf pp ff mf mp mf mp mf pp mp mf p p f f
st st st st sp st st st st st st st sp sp st st sp sp st st st st sp st sp
Db
2
mf f mf mp ff mp mf ff p f mf pp mp mf mf ff mf mp mf mf ff mf mp f
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353

Fl

Cl

Tpt

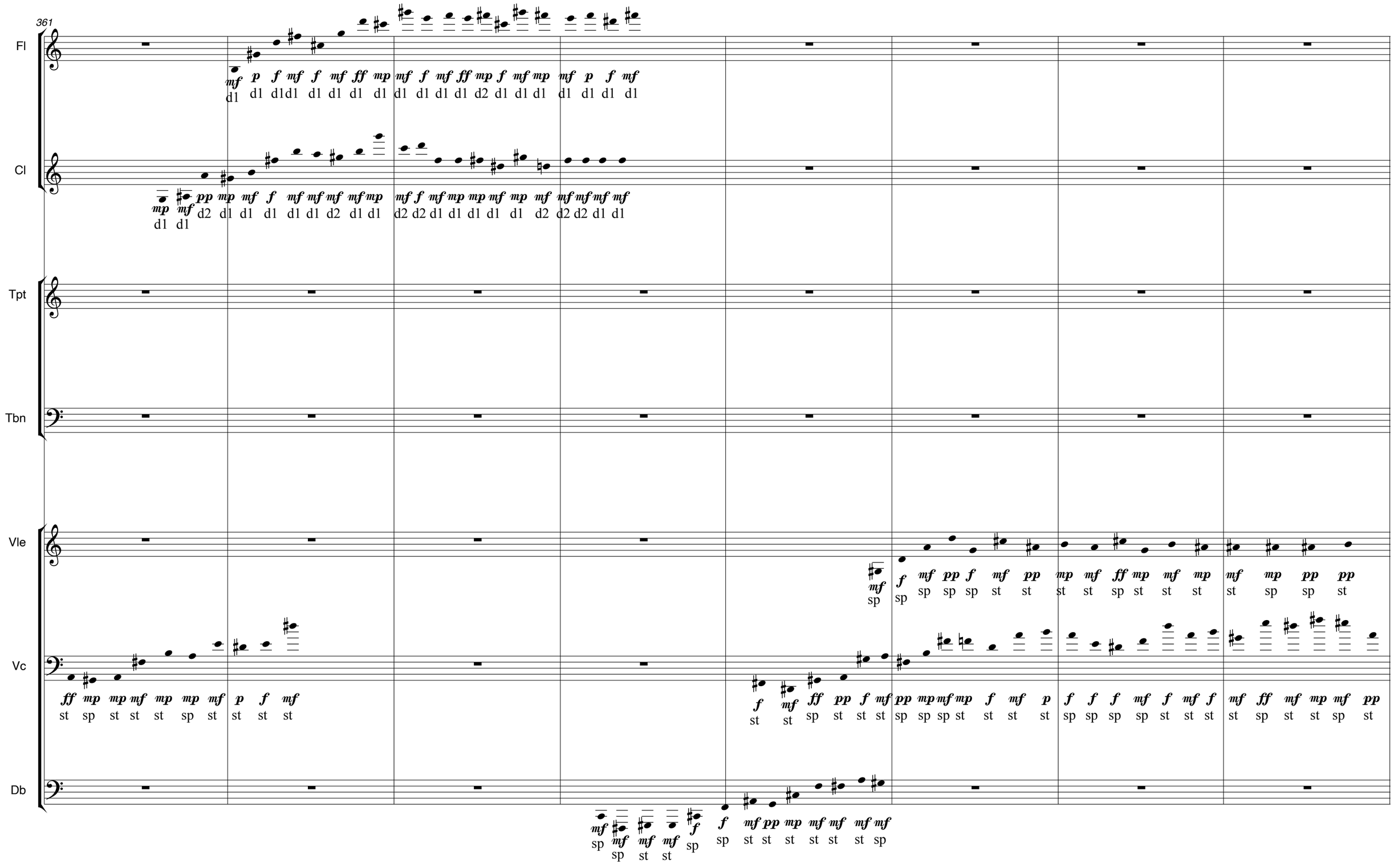
Tbn

Vle

Vc

Db

8va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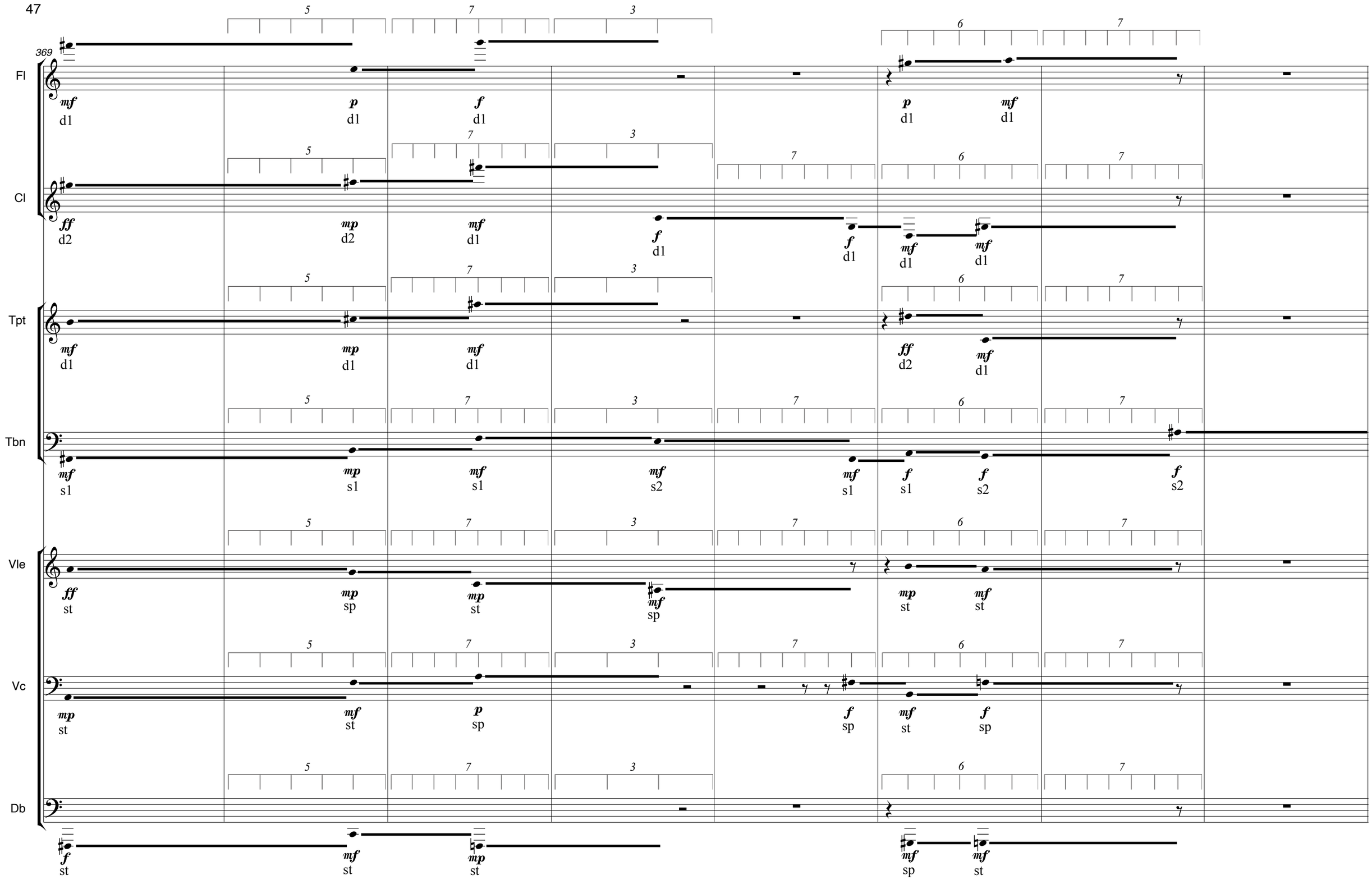
Db


369
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p d1
mf d1
Cl
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mp d2
mf d1
f d1
f d1
mf d1
mf d1
Tpt
mf d1
mp d1
mf d1
ff d2
mf d1
Tbn
mf s1
mp s1
mf s1
mf s2
mf s1
f s1
f s2
f s2
Vle
ff st
mp sp
mp st
mf sp
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f sp
mf st
f sp
Db
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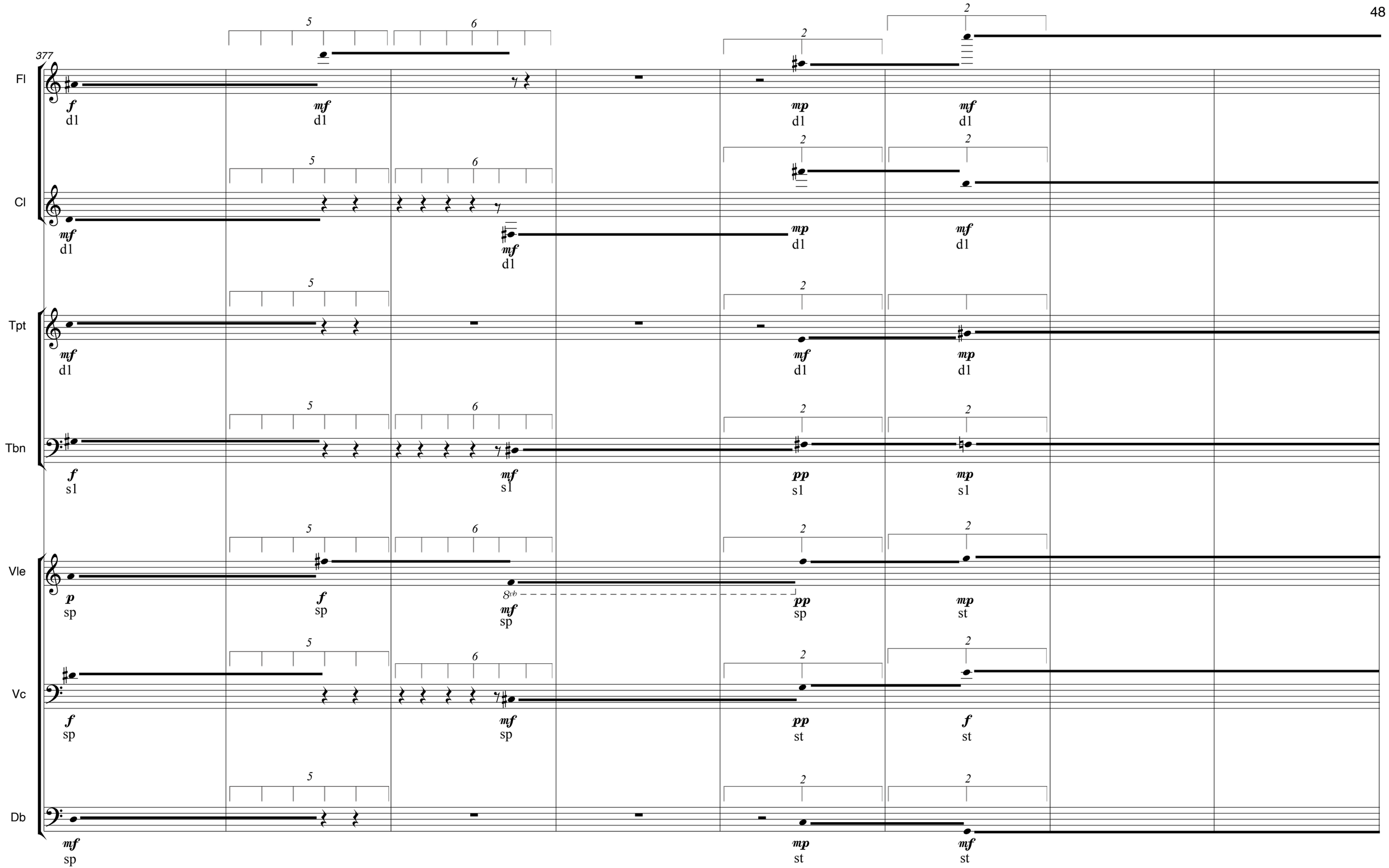
mf st
mp st
mf sp
mf st


377
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f d1
mf d1
mp d1
mf d1
Cl
mf d1
mf d1
mp d1
mf d1
Tpt
mf d1
mf d1
mp d1
Tbn
f s1
mf s1
pp s1
mp s1
Vle
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f sp
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pp sp
mp st
Vc
f sp
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pp st
f st
Db
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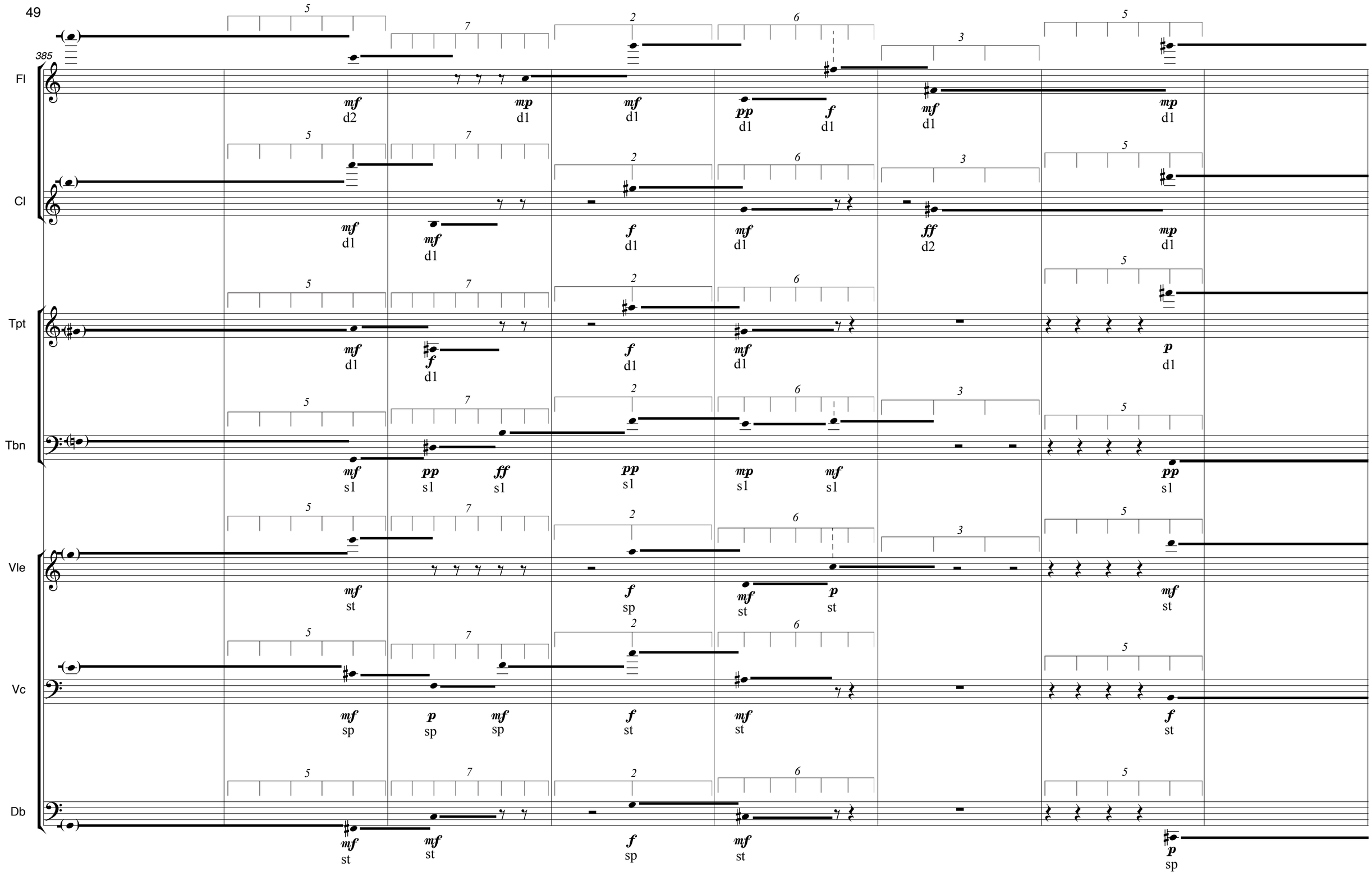
mf st


385
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mf d1
mp d1
Cl
mf d1
mf d1
f d1
mf d1
ff d2
mp d1
Tpt
mf d1
f d1
f d1
mf d1
p d1
Tbn
mf s1
pp s1
ff s1
pp s1
mp s1
mf s1
pp s1
Vle
mf st
f sp
mf st
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p sp
mf sp
f st
mf st
f st
Db
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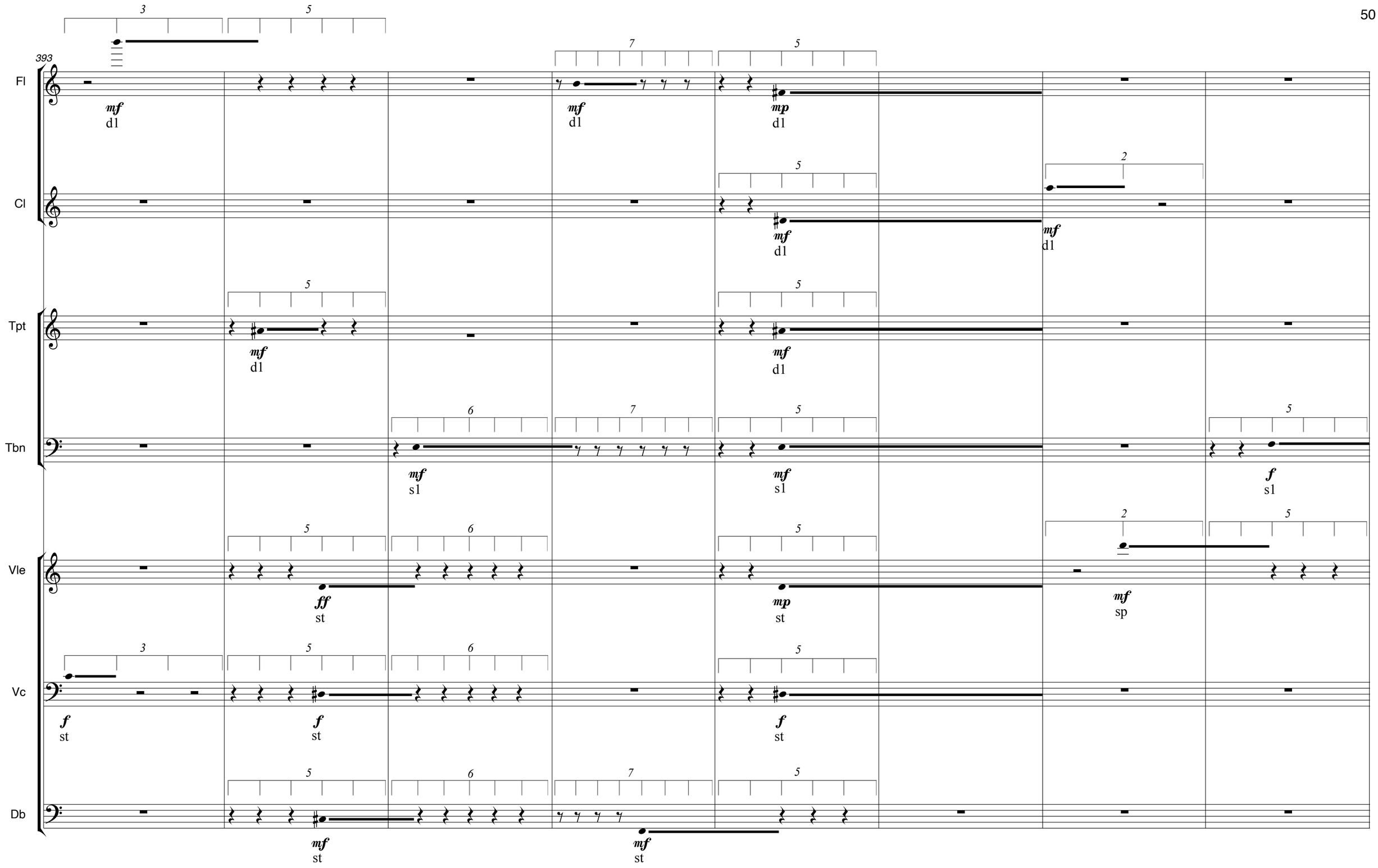
f sp
mf st
p sp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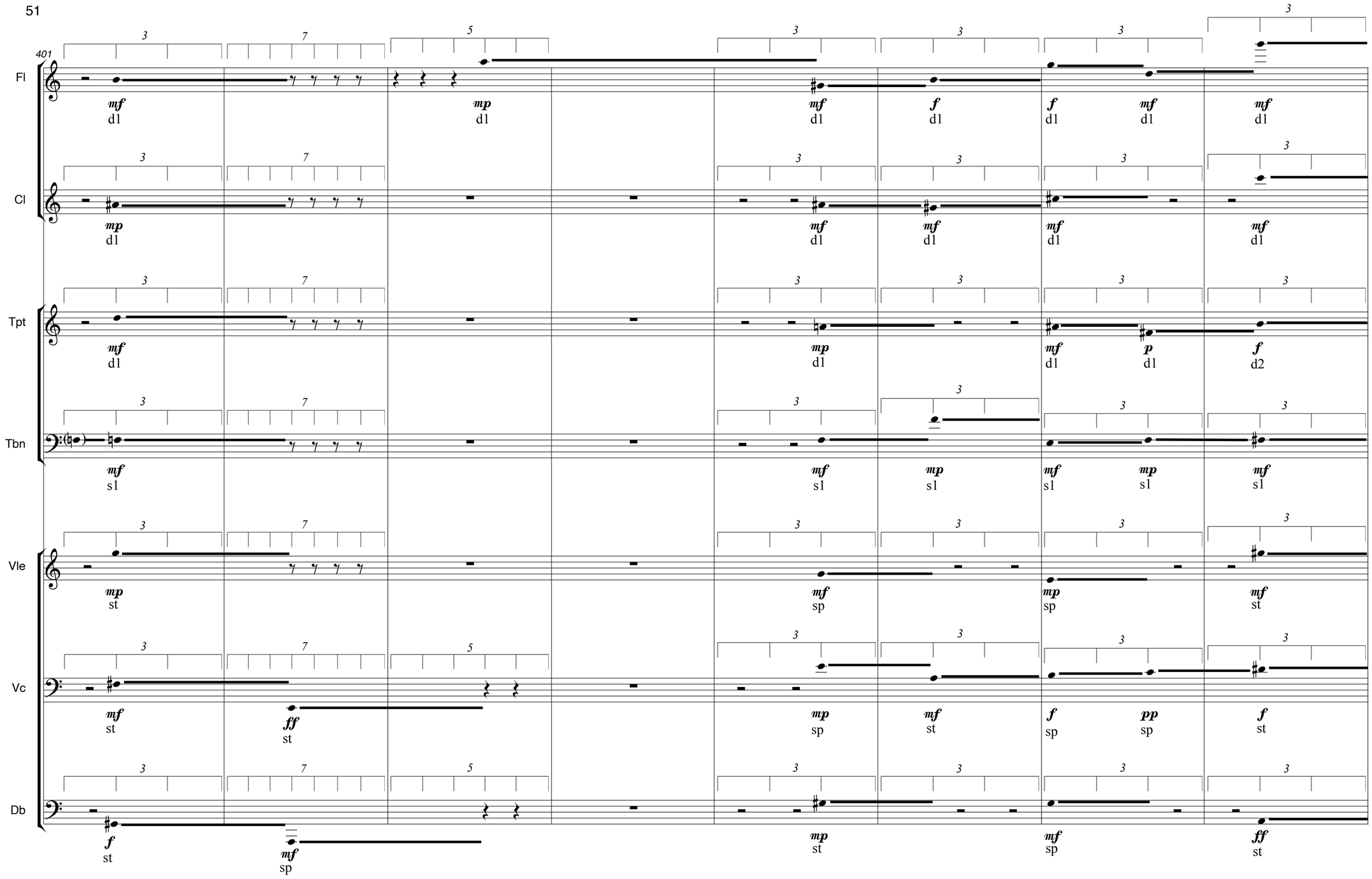
Tbn
Vle
Vc
Db
mf
d1
mp
s1
ff
st
f
sp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f d1
f d1
mf d1
mf d1
Cl
mp d1
mf d1
mf d1
mf d1
mf d1
Tpt
mf d1
mp d1
mf d1
p d1
f d2
Tbn
mf s1
mf s1
mp s1
mf s1
mp s1
mf s1
Vle
mp st
mf sp
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mp sp
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f sp
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Db
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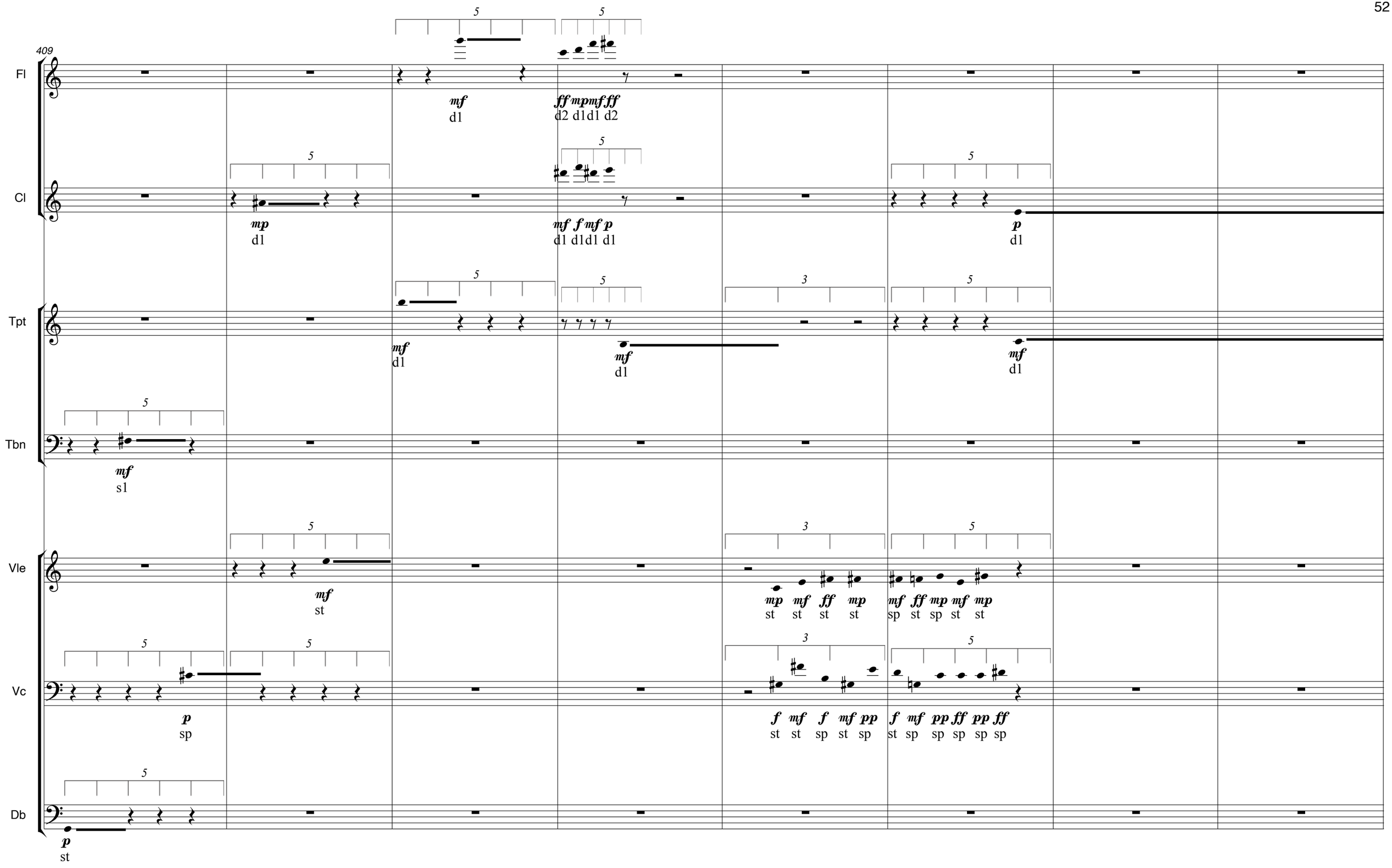
ff st


409
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d1
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d1
mf f mf p
d1 d1 d1 d1
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d1
Tpt
mf
d1
mf
d1
mf
d1
Tbn
mf
s1
Vle
mf
st
mp mf ff mp
st st st st
mf ff mp mf mp
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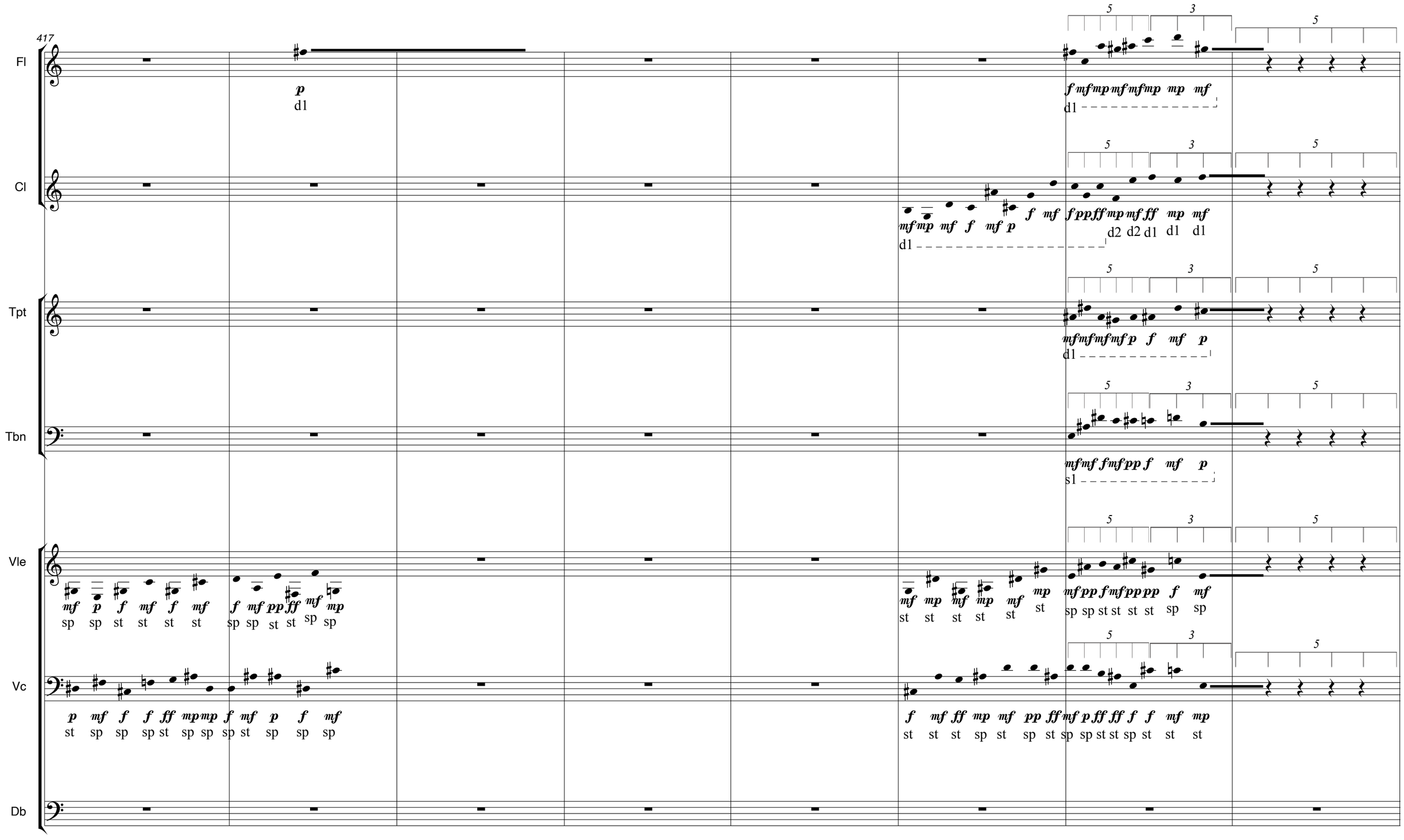
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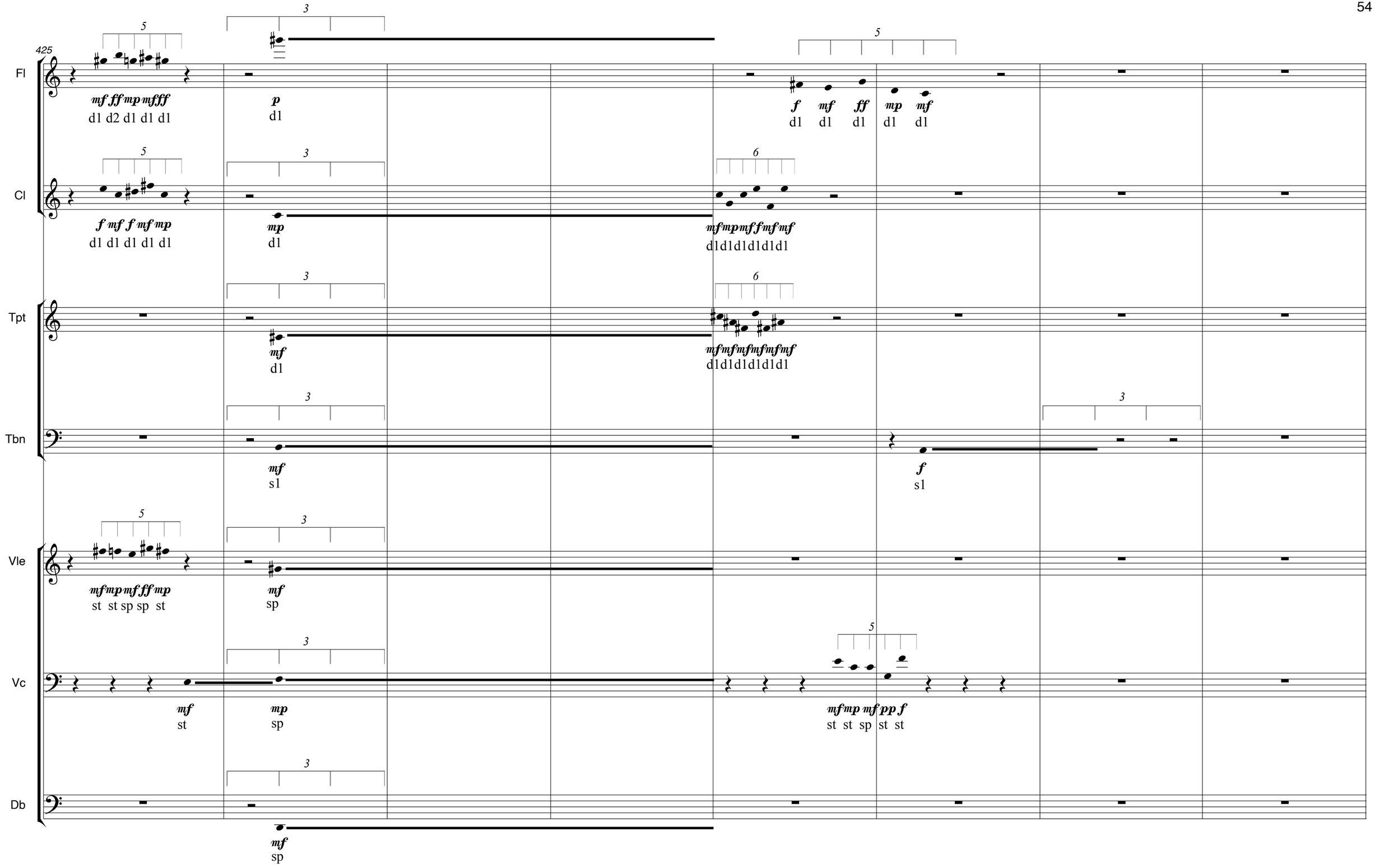
Vc
Db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d1 d1 d1 d1 d1
Cl
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d1 d1 d1 d1 d1
mp
d1
mf mp mf f mf mf
d1d1d1d1d1d1
Tpt
mf
d1
mf mf mf mf mf mf
d1d1d1d1d1d1
Tbn
mf
s1
f
s1
Vle
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sp
Vc
mf
st
mp
sp
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Db
mf
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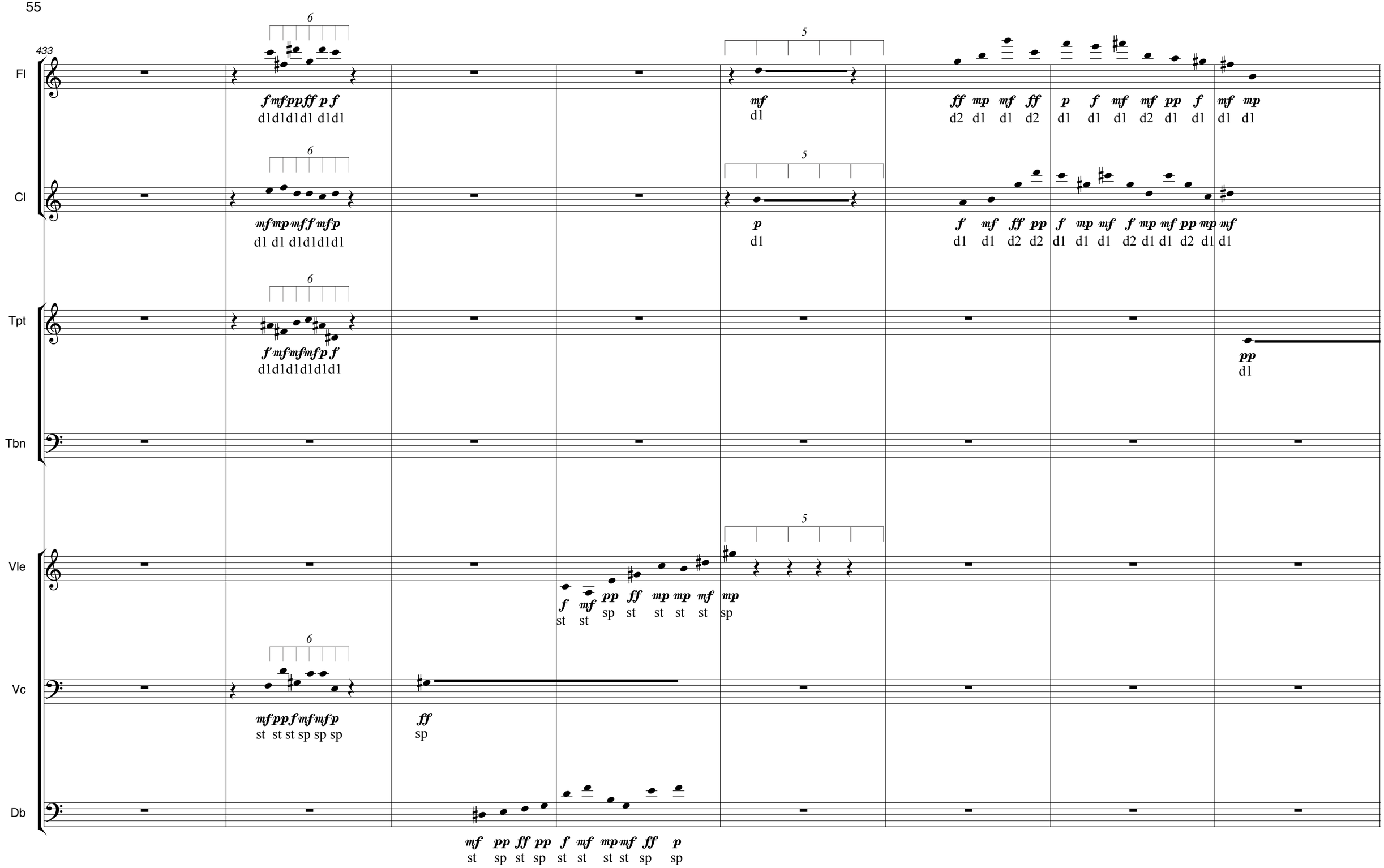
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Cl
mf mp mf f mf p
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p
d1
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d1 d1 d2 d2 d1 d1 d1 d2 d1 d1 d2 d1 d1
Tpt
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d1 d1 d1 d1 d1 d1
pp
d1
Tbn
Vle
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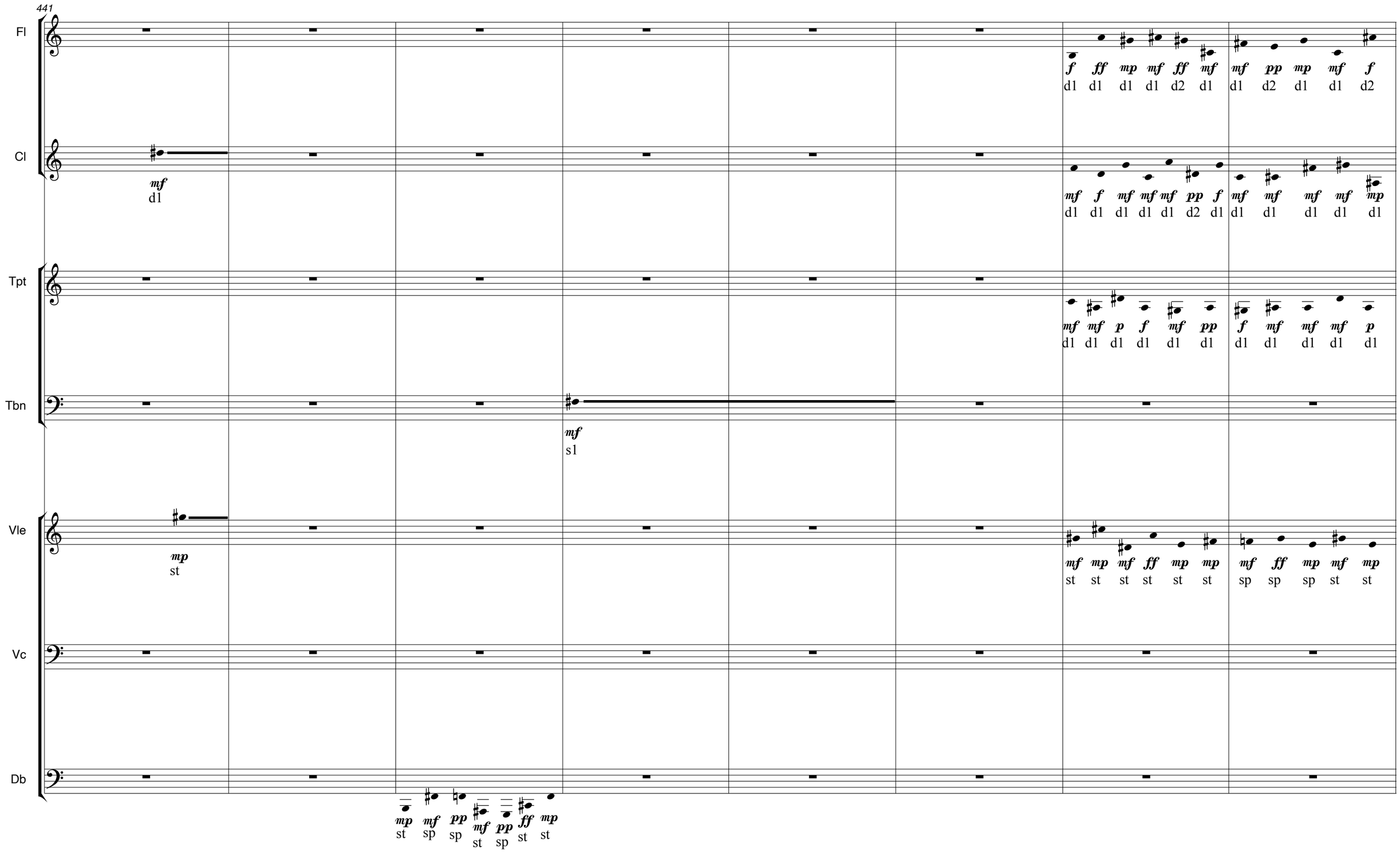
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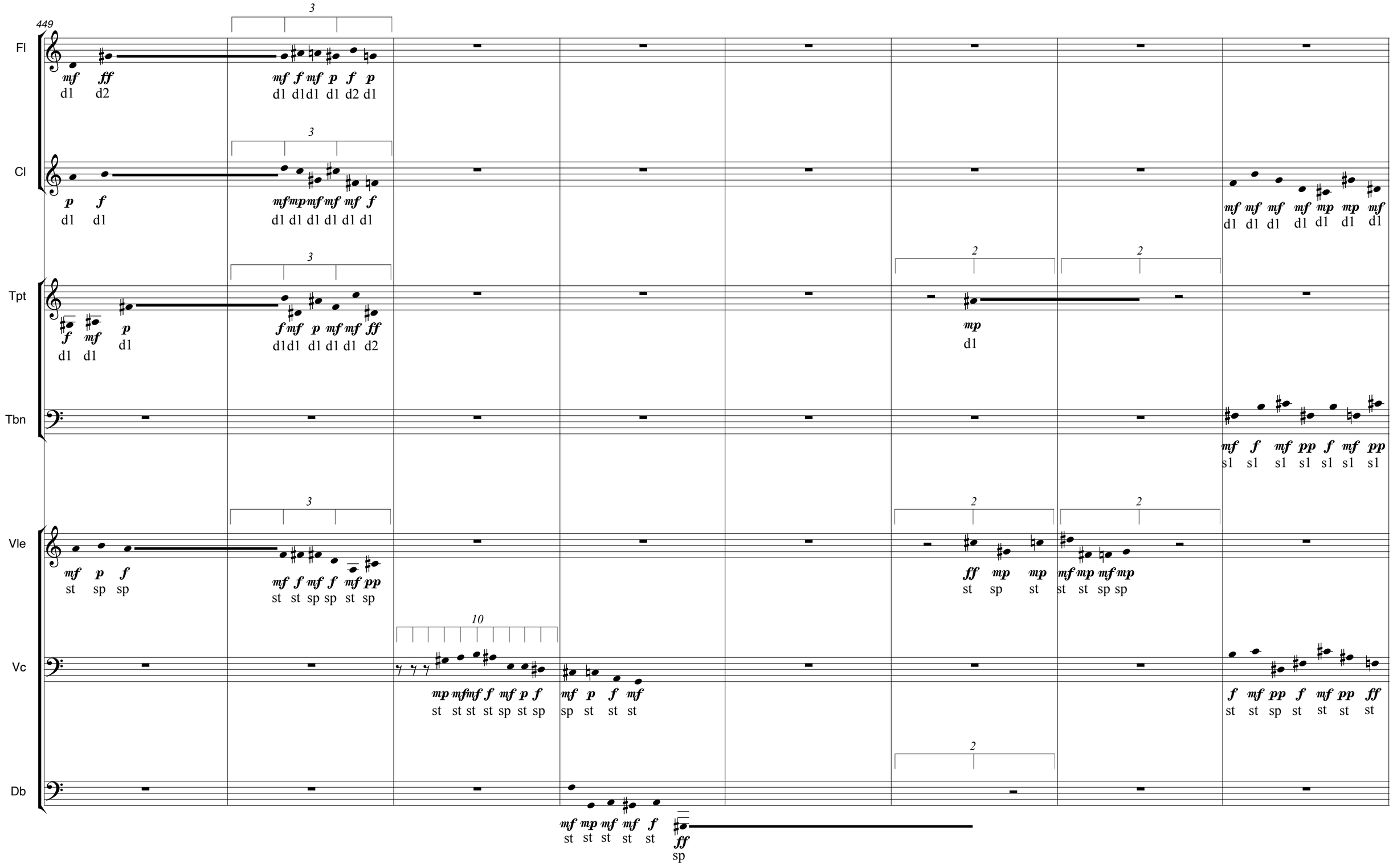
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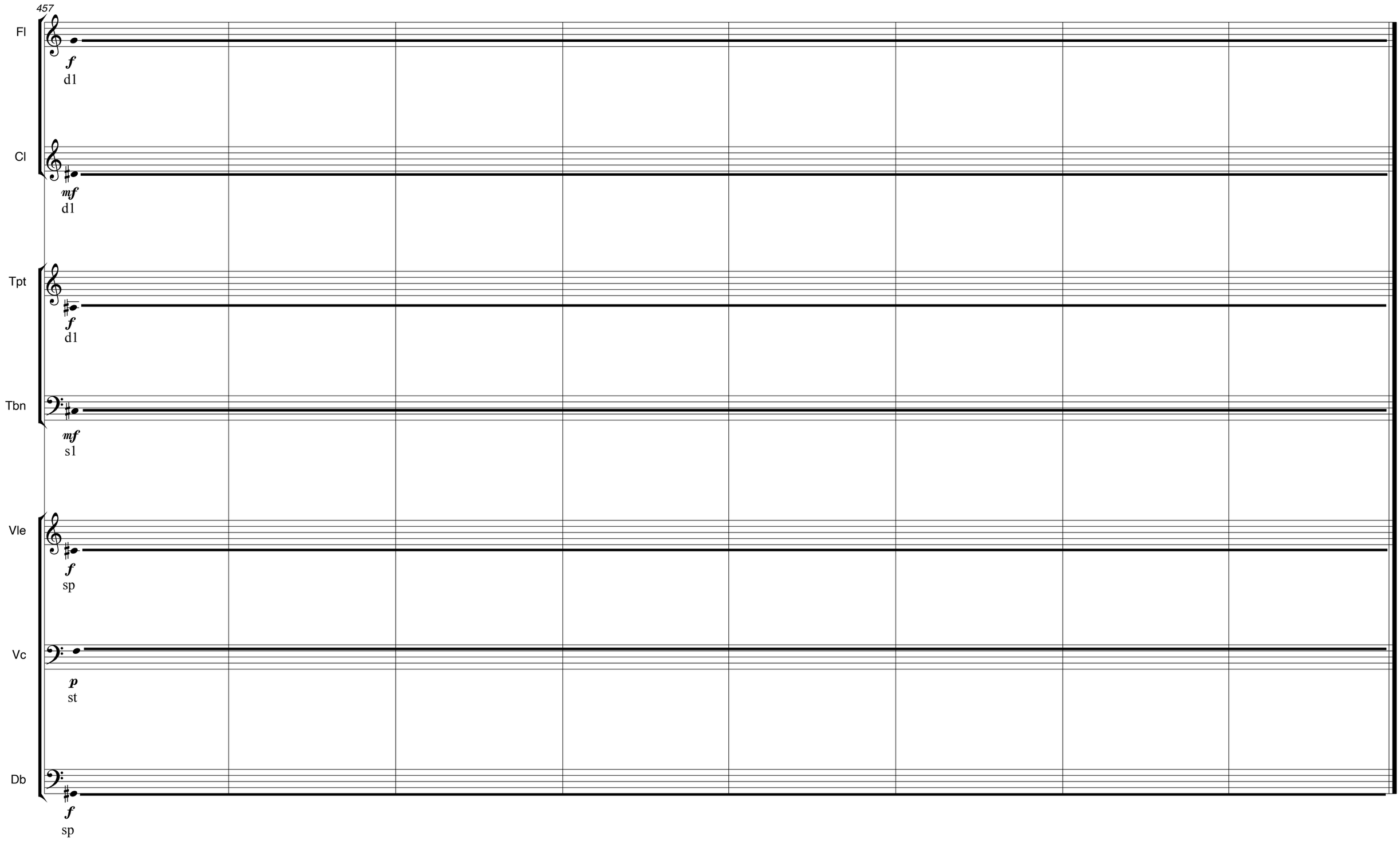
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Vc
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